



CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 95% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-011

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18511 | |
| Report Ref | BB-COA-VANI185-26M05-011 | |
| Batch / Lot | B-VANI185-26M05-011 | |
| Sample ID | VANI185-V01-L01 | |
| Date of sample submission | 03/05/2026 | |
| Date received in lab | 08/05/2026 | |
| Analysis period | 08/05/2026 to 13/05/2026 | |
| Date of issue | 14/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 95% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 4.9% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 8.7% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.2% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.003 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.3 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP
Praveen Dhama
Designated Partner





EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.11 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.03 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.064 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.011 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.9 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 5.1 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 6590 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 380 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 94.7 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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H.No. 143 2nd Floor, Shakti Vihar Colony Rudrapur, Nainital
Road Udham Singh Nagar, Uttarakhand, India - 263153

Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 95% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-012

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BLLP/VANI185/2026/05/18512 | |
| Report Ref | BB-COA-VANI185-26M05-012 | |
| Batch / Lot | B-VANI185-26M05-012 | |
| Sample ID | VANI185-V01-L02 | |
| Date of sample submission | 09/05/2026 | |
| Date received in lab | 12/05/2026 | |
| Analysis period | 12/05/2026 to 20/05/2026 | |
| Date of issue | 21/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 95% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 5.6% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.0% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.3% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.016 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.4 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.18 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.03 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.012 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.016 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.3 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.6 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 5469 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 805 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 98.6 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 95% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-013

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18513 | |
| Report Ref | BB-COA-VANI185-26M05-013 | |
| Batch / Lot | B-VANI185-26M05-013 | |
| Sample ID | VANI185-V01-L03 | |
| Date of sample submission | 07/05/2026 | |
| Date received in lab | 14/05/2026 | |
| Analysis period | 14/05/2026 to 19/05/2026 | |
| Date of issue | 19/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 95% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 5.9% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 7.8% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.3% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.044 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.3 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.08 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.09 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.053 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.014 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.8 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 5.1 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 4861 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 577 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 92.4 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Avneesh Mishra
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Praveen Dhama

For Botanika Bharat LLP
Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 95% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-014

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18514 | |
| Report Ref | BB-COA-VANI185-26M05-014 | |
| Batch / Lot | B-VANI185-26M05-014 | |
| Sample ID | VANI185-V01-L04 | |
| Date of sample submission | 25/04/2026 | |
| Date received in lab | 02/05/2026 | |
| Analysis period | 02/05/2026 to 10/05/2026 | |
| Date of issue | 11/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 95% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 5.1% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 7.9% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.1% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.015 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.4 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.09 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.07 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.014 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.003 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.5 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.7 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|-------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 756 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 756 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 92.4 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Praveen Dhama

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 95% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-015

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18515 | |
| Report Ref | BB-COA-VANI185-26M05-015 | |
| Batch / Lot | B-VANI185-26M05-015 | |
| Sample ID | VANI185-V01-L05 | |
| Date of sample submission | 03/05/2026 | |
| Date received in lab | 08/05/2026 | |
| Analysis period | 08/05/2026 to 11/05/2026 | |
| Date of issue | 12/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 95% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 4.3% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.3% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.4% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.031 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.7 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.04 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.15 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.012 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.011 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.7 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.5 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 1330 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 447 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 95.3 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 97% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-021

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18521 | |
| Report Ref | BB-COA-VANI185-26M05-021 | |
| Batch / Lot | B-VANI185-26M05-021 | |
| Sample ID | VANI185-V02-L01 | |
| Date of sample submission | 06/05/2026 | |
| Date received in lab | 09/05/2026 | |
| Analysis period | 09/05/2026 to 14/05/2026 | |
| Date of issue | 14/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 97% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 6.0% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 8.0% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.4% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.043 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.3 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.20 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.02 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.031 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.006 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.4 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.8 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 2422 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 780 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 93.9 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Praveen Dhama

For Botanika Bharat LLP

Praveen Dhama
Designated Partner





Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 97% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-022

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18522 | |
| Report Ref | BB-COA-VANI185-26M05-022 | |
| Batch / Lot | B-VANI185-26M05-022 | |
| Sample ID | VANI185-V02-L02 | |
| Date of sample submission | 04/05/2026 | |
| Date received in lab | 06/05/2026 | |
| Analysis period | 07/05/2026 to 10/05/2026 | |
| Date of issue | 11/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 97% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 5.3% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.4% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.2% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.032 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.3 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.11 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.10 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.063 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.002 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.3 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 5.2 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 7515 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 57 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 93.3 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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For Botanika Bharat LLP

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Praveen Dhama

For Botanika Bharat LLP

Praveen Dhama
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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama

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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 97% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-023

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18523 | |
| Report Ref | BB-COA-VANI185-26M05-023 | |
| Batch / Lot | B-VANI185-26M05-023 | |
| Sample ID | VANI185-V02-L03 | |
| Date of sample submission | 29/04/2026 | |
| Date received in lab | 05/05/2026 | |
| Analysis period | 05/05/2026 to 14/05/2026 | |
| Date of issue | 15/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 97% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 2.8% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.9% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.8% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.011 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.3 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.16 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.08 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.033 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.012 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.6 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.2 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 6515 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 496 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 96.7 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Botanika Bharat LLP (ACR-2811)

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 97% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-024

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BLLP/VANI185/2026/05/18524 | |
| Report Ref | BB-COA-VANI185-26M05-024 | |
| Batch / Lot | B-VANI185-26M05-024 | |
| Sample ID | VANI185-V02-L04 | |
| Date of sample submission | 08/05/2026 | |
| Date received in lab | 15/05/2026 | |
| Analysis period | 15/05/2026 to 18/05/2026 | |
| Date of issue | 19/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 97% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.8% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.2% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.5% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.032 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.1 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.25 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.05 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.027 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.014 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.3 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.5 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 6752 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 400 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 94.9 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Avneesh Mishra

For Botanika Bharat LLP

Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP

Praveen Dhama
Designated Partner





Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama

For Botanika Bharat LLP
Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract 97% Assay

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-025

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18525 | |
| Report Ref | BB-COA-VANI185-26M05-025 | |
| Batch / Lot | B-VANI185-26M05-025 | |
| Sample ID | VANI185-V02-L05 | |
| Date of sample submission | 29/04/2026 | |
| Date received in lab | 06/05/2026 | |
| Analysis period | 06/05/2026 to 10/05/2026 | |
| Date of issue | 10/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract 97% Assay | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 2.7% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 8.9% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.3% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.017 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.2 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Praveen Dhama

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Praveen Dhama
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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.08 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.13 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.046 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.005 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.6 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.4 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 5479 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 90 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 98.3 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Botanika Bharat LLP (ACR-2811)

H.No. 143 2nd Floor, Shakti Vihar Colony Rudrapur, Nainital
Road Udham Singh Nagar, Uttarakhand, India - 263153

Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Avneesh Mishra
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Praveen Dhama

For Botanika Bharat LLP
Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Food Grade-L01

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-031

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BLLP/VANI185/2026/05/18531 | |
| Report Ref | BB-COA-VANI185-26M05-031 | |
| Batch / Lot | B-VANI185-26M05-031 | |
| Sample ID | VANI185-V03-L01 | |
| Date of sample submission | 26/04/2026 | |
| Date received in lab | 30/04/2026 | |
| Analysis period | 30/04/2026 to 08/05/2026 | |
| Date of issue | 09/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Food Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 6.0% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.3% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.1% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.026 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.6 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Praveen Dhama
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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.20 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.12 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.013 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.009 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.7 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.8 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 1577 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 862 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 96.0 | QA | Pass |

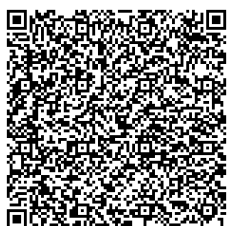
Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Avneesh Mishra

For Botanika Bharat LLP

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Praveen Dhama
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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

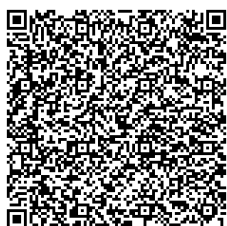
| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Food Grade-L02

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-032

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18532 | |
| Report Ref | BB-COA-VANI185-26M05-032 | |
| Batch / Lot | B-VANI185-26M05-032 | |
| Sample ID | VANI185-V03-L02 | |
| Date of sample submission | 10/05/2026 | |
| Date received in lab | 17/05/2026 | |
| Analysis period | 18/05/2026 to 21/05/2026 | |
| Date of issue | 21/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Food Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 5.9% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.5% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.5% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.028 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.2 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.21 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.05 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.050 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.009 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.6 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.2 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 2621 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 442 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 95.4 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Avneesh Mishra

For Botanika Bharat LLP

Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP

Praveen Dhama
Designated Partner





Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

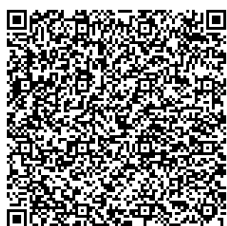
| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Avneesh Mishra
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Praveen Dhama

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Praveen Dhama
Designated Partner





CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Food Grade-L03

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-033

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18533 | |
| Report Ref | BB-COA-VANI185-26M05-033 | |
| Batch / Lot | B-VANI185-26M05-033 | |
| Sample ID | VANI185-V03-L03 | |
| Date of sample submission | 02/05/2026 | |
| Date received in lab | 05/05/2026 | |
| Analysis period | 05/05/2026 to 10/05/2026 | |
| Date of issue | 10/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Food Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

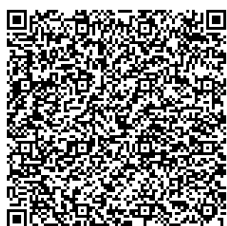
Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 4.6% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 7.2% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.5% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.035 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.7 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Praveen Dhama

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.13 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.09 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.013 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.012 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.2 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.4 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|-------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 511 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 862 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 92.2 | QA | Pass |

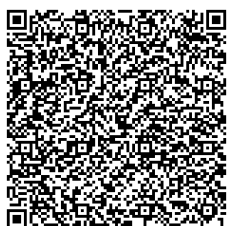
Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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For Botanika Bharat LLP

Avneesh Mishra
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Praveen Dhama

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Praveen Dhama
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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

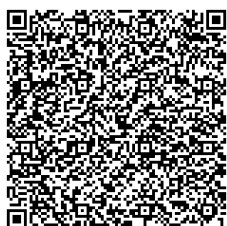
| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Food Grade

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-034

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18534 | |
| Report Ref | BB-COA-VANI185-26M05-034 | |
| Batch / Lot | B-VANI185-26M05-034 | |
| Sample ID | VANI185-V03-L04 | |
| Date of sample submission | 28/04/2026 | |
| Date received in lab | 05/05/2026 | |
| Analysis period | 05/05/2026 to 12/05/2026 | |
| Date of issue | 13/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Food Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.2% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 9.6% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.2% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.023 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.8 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Praveen Dhama
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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.16 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.16 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.040 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.016 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.5 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.4 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 2837 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 744 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 95.5 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

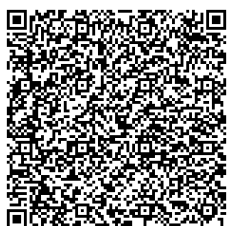
| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Food Grade-L05

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-035

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18535 | |
| Report Ref | BB-COA-VANI185-26M05-035 | |
| Batch / Lot | B-VANI185-26M05-035 | |
| Sample ID | VANI185-V03-L05 | |
| Date of sample submission | 25/04/2026 | |
| Date received in lab | 02/05/2026 | |
| Analysis period | 02/05/2026 to 08/05/2026 | |
| Date of issue | 08/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Food Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.6% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 8.0% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.2% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.028 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.3 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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For Botanika Bharat LLP
Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP
Praveen Dhama
Designated Partner





EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.07 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.02 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.021 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.009 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.1 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.2 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 3067 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 322 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 98.0 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Natural Extract

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-051

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18551 | |
| Report Ref | BB-COA-VANI185-26M05-051 | |
| Batch / Lot | B-VANI185-26M05-051 | |
| Sample ID | VANI185-V05-L01 | |
| Date of sample submission | 25/04/2026 | |
| Date received in lab | 02/05/2026 | |
| Analysis period | 03/05/2026 to 08/05/2026 | |
| Date of issue | 08/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Natural Extract | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.5% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 8.4% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.2% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.014 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.5 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Praveen Dhama

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.16 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.14 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.052 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.004 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.7 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.4 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 1567 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 822 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 99.4 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Natural Extract

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-052

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18552 | |
| Report Ref | BB-COA-VANI185-26M05-052 | |
| Batch / Lot | B-VANI185-26M05-052 | |
| Sample ID | VANI185-V05-L02 | |
| Date of sample submission | 09/05/2026 | |
| Date received in lab | 13/05/2026 | |
| Analysis period | 14/05/2026 to 18/05/2026 | |
| Date of issue | 18/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Natural Extract | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 2.7% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 7.2% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.5% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.011 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.3 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.08 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.15 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.013 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.016 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 2.0 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.6 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 1109 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 501 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 98.7 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Natural Extract

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-053

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18553 | |
| Report Ref | BB-COA-VANI185-26M05-053 | |
| Batch / Lot | B-VANI185-26M05-053 | |
| Sample ID | VANI185-V05-L03 | |
| Date of sample submission | 21/04/2026 | |
| Date received in lab | 28/04/2026 | |
| Analysis period | 28/04/2026 to 07/05/2026 | |
| Date of issue | 08/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Natural Extract | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 3.8% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 9.7% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.1% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.003 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.1 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP
Praveen Dhama
Designated Partner





EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.24 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.07 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.045 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.005 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.7 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.0 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 1571 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 169 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 95.2 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Praveen Dhama
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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Natural Extract

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-054

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BLLP/VANI185/2026/05/18554 | |
| Report Ref | BB-COA-VANI185-26M05-054 | |
| Batch / Lot | B-VANI185-26M05-054 | |
| Sample ID | VANI185-V05-L04 | |
| Date of sample submission | 03/05/2026 | |
| Date received in lab | 09/05/2026 | |
| Analysis period | 10/05/2026 to 13/05/2026 | |
| Date of issue | 14/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Natural Extract | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 4.1% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 7.2% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.7% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.026 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.0 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP

Praveen Dhama
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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.16 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.07 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.020 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.014 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.0 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 5.3 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 7845 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 722 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 95.0 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Praveen Dhama

For Botanika Bharat LLP

Praveen Dhama
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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Natural Extract

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-055

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BLLP/VANI185/2026/05/18555 | |
| Report Ref | BB-COA-VANI185-26M05-055 | |
| Batch / Lot | B-VANI185-26M05-055 | |
| Sample ID | VANI185-V05-L05 | |
| Date of sample submission | 30/04/2026 | |
| Date received in lab | 07/05/2026 | |
| Analysis period | 08/05/2026 to 15/05/2026 | |
| Date of issue | 16/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Natural Extract | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 2.3% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 9.0% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.2% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.034 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 5.4 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.26 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.07 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.047 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.013 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.7 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.0 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 5663 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 702 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 98.0 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Pharma Grade

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-041

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18541 | |
| Report Ref | BB-COA-VANI185-26M05-041 | |
| Batch / Lot | B-VANI185-26M05-041 | |
| Sample ID | VANI185-V04-L01 | |
| Date of sample submission | 08/05/2026 | |
| Date received in lab | 12/05/2026 | |
| Analysis period | 12/05/2026 to 17/05/2026 | |
| Date of issue | 17/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Pharma Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.1% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 8.5% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.7% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.035 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.5 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Praveen Dhama

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.14 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.11 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.018 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.015 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.6 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.3 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 2806 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 879 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 95.5 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Pharma Grade

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-042

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18542 | |
| Report Ref | BB-COA-VANI185-26M05-042 | |
| Batch / Lot | B-VANI185-26M05-042 | |
| Sample ID | VANI185-V04-L02 | |
| Date of sample submission | 06/05/2026 | |
| Date received in lab | 12/05/2026 | |
| Analysis period | 12/05/2026 to 19/05/2026 | |
| Date of issue | 20/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Pharma Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.5% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 9.5% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.6% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.044 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.7 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.14 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.08 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.063 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.014 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.2 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.1 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 8377 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 674 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 96.7 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: **Vanillin Extract (Vanillin Extract (commodity grade))** | Variety: **Vanillin Extract Pharma Grade** | Sample ID: **VANI185-V04-L03**

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-043

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18543 | |
| Report Ref | BB-COA-VANI185-26M05-043 | |
| Batch / Lot | B-VANI185-26M05-043 | |
| Sample ID | VANI185-V04-L03 | |
| Date of sample submission | 02/05/2026 | |
| Date received in lab | 06/05/2026 | |
| Analysis period | 06/05/2026 to 10/05/2026 | |
| Date of issue | 10/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Pharma Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.1% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 8.7% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.7% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.038 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.2 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.05 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.08 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.042 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.005 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.6 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.6 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 3977 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 599 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 98.8 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Pharma Grade

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-044

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18544 | |
| Report Ref | BB-COA-VANI185-26M05-044 | |
| Batch / Lot | B-VANI185-26M05-044 | |
| Sample ID | VANI185-V04-L04 | |
| Date of sample submission | 05/05/2026 | |
| Date received in lab | 07/05/2026 | |
| Analysis period | 08/05/2026 to 11/05/2026 | |
| Date of issue | 12/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Pharma Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.7% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 9.4% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.3% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.021 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.0 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP
Praveen Dhama
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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.06 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.04 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.010 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.012 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.1 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.0 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 2102 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 473 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 98.8 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Praveen Dhama

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock).
Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality).
Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass.
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Pharma Grade

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-045

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BLLP/VANI185/2026/05/18545 | |
| Report Ref | BB-COA-VANI185-26M05-045 | |
| Batch / Lot | B-VANI185-26M05-045 | |
| Sample ID | VANI185-V04-L05 | |
| Date of sample submission | 08/05/2026 | |
| Date received in lab | 10/05/2026 | |
| Analysis period | 11/05/2026 to 15/05/2026 | |
| Date of issue | 16/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Pharma Grade | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 5.3% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 9.4% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.8% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.029 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.1 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.26 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.13 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.044 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.010 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.5 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 2.6 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 4301 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 667 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 96.5 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Regional Select 1

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-061

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BLLP/VANI185/2026/05/18561 | |
| Report Ref | BB-COA-VANI185-26M05-061 | |
| Batch / Lot | B-VANI185-26M05-061 | |
| Sample ID | VANI185-V06-L01 | |
| Date of sample submission | 13/05/2026 | |
| Date received in lab | 15/05/2026 | |
| Analysis period | 16/05/2026 to 19/05/2026 | |
| Date of issue | 19/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Regional Select 1 | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 0.9% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 9.5% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.4% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.015 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.2 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.23 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.05 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.019 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.003 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.3 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.7 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 3057 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 864 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 99.5 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock).
Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality).
Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass.
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Regional Select 1

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-062

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18562 | |
| Report Ref | BB-COA-VANI185-26M05-062 | |
| Batch / Lot | B-VANI185-26M05-062 | |
| Sample ID | VANI185-V06-L02 | |
| Date of sample submission | 02/05/2026 | |
| Date received in lab | 08/05/2026 | |
| Analysis period | 09/05/2026 to 17/05/2026 | |
| Date of issue | 18/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Regional Select 1 | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 2.8% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 7.8% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.4% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.003 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 5.4 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Avneesh Mishra

For Botanika Bharat LLP
Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP
Praveen Dhama
Designated Partner





EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.19 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.11 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.023 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.014 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.4 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.1 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 2276 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 250 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 99.3 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Avneesh Mishra
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Praveen Dhama

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Praveen Dhama
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Botanika Bharat LLP (ACR-2811)

H.No. 143 2nd Floor, Shakti Vihar Colony Rudrapur, Nainital
Road Udham Singh Nagar, Uttarakhand, India - 263153

Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Praveen Dhama

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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Regional Select 1

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-063

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLLP/VANI185/2026/05/18563 | |
| Report Ref | BB-COA-VANI185-26M05-063 | |
| Batch / Lot | B-VANI185-26M05-063 | |
| Sample ID | VANI185-V06-L03 | |
| Date of sample submission | 13/05/2026 | |
| Date received in lab | 16/05/2026 | |
| Analysis period | 17/05/2026 to 22/05/2026 | |
| Date of issue | 22/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Regional Select 1 | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 5.0% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 9.5% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.1% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.017 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.3 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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Praveen Dhama

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.18 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.13 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.023 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.015 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.6 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 3.8 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 6401 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 135 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 99.4 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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For Botanika Bharat LLP

Avneesh Mishra
Designated Partner

Praveen Dhama

For Botanika Bharat LLP

Praveen Dhama
Designated Partner





Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Regional Select 1

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-064

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BLLP/VANI185/2026/05/18564 | |
| Report Ref | BB-COA-VANI185-26M05-064 | |
| Batch / Lot | B-VANI185-26M05-064 | |
| Sample ID | VANI185-V06-L04 | |
| Date of sample submission | 04/05/2026 | |
| Date received in lab | 09/05/2026 | |
| Analysis period | 09/05/2026 to 17/05/2026 | |
| Date of issue | 18/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Regional Select 1 | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 4.3% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.3% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.8% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.033 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.9 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.22 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.07 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.035 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.012 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 0.6 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.6 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 5397 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 418 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 95.9 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

Remark:

COA backed with NABL approved lab. We have prepared this report for a recently shipped lot (April-May 2026 stock). Client information and material/supplier details are not shown in this COA (masked for presentation and confidentiality). Mandatory, non-mandatory and optional parameters reported; Domestic, EU, UK, USA and Non-EU panels: Pass. Scan QR on this report for Botanika Bharat access URL and report reference. Valid for this sample and lot only.



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Avneesh Mishra
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Praveen Dhama

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Praveen Dhama
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CERTIFICATE OF ANALYSIS - PROFESSIONAL LAB REPORT

Category: Vanillin Extract (Vanillin Extract (commodity grade)) | Variety: Vanillin Extract Regional Select 1

Stock: April-May 2026 | COA backed by NABL approved ISO/IEC 17025:2017 laboratory

Lot: VANI185-26M05-065

| Field | Value | NABL Approved Lab |
|---------------------------|-------------------------------------|-------------------|
| Report ID | BBLP/VANI185/2026/05/18565 | |
| Report Ref | BB-COA-VANI185-26M05-065 | |
| Batch / Lot | B-VANI185-26M05-065 | |
| Sample ID | VANI185-V06-L05 | |
| Date of sample submission | 08/05/2026 | |
| Date received in lab | 10/05/2026 | |
| Analysis period | 10/05/2026 to 18/05/2026 | |
| Date of issue | 19/05/2026 | |
| Manufacturer | Botanika Bharat LLP | |
| Address | Rudrapur, Uttarakhand, India | |
| Sample quantity | 250 g | |
| Lab accreditation | NABL approved (ISO/IEC 17025:2017) | |
| Market clearance | Domestic, EU, UK, USA, Non-EU: Pass | |

General Profile (Identity & Grade)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|-----------|------------------------------------|-----------|-----------------------|--------|
| Appearance | Mandatory | Characteristic export grade | Complies | Organoleptic | Pass |
| Botanical identity | Mandatory | Vanillin Extract (commodity grade) | Confirmed | Macroscopy / DNA spot | Pass |
| Variety / cultivar | Mandatory | Vanillin Extract Regional Select 1 | Confirmed | Traceability | Pass |
| Odour & taste | Mandatory | Typical, no off-note | Complies | Organoleptic | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |

Adulteration & Authenticity (Buyer Critical)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|---------------|--------------------|----------|---------------|--------|
| Undeclared fillers / starch | Mandatory | Absent | Absent | Iodine / FTIR | Pass |
| Species substitution | Mandatory | Absent | Absent | HPTLC / DNA | Pass |
| Synthetic colour | Mandatory | Absent | Absent | LC-MS | Pass |
| Extraneous matter | Non-mandatory | Within grade | Complies | ISO 927 | Pass |

Chemical & Trade Markers (Buyer Decision)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|-----------|--------------------|-------------|--------------|--------|
| Volatile oil | Mandatory | ASTA / grade | 1.0% | Distillation | Pass |
| Moisture | Mandatory | Max 12% | 10.5% | AOAC | Pass |
| Extraneous matter | Mandatory | < 1% | 0.6% | Visual | Pass |
| Foreign odour | Mandatory | Absent | Absent | Organoleptic | Pass |
| Pesticide residue (panel) | Mandatory | MRL all markets | 0.032 mg/kg | LC-MS/MS | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 1.9 µg/kg | HPLC | Pass |

Domestic India — FSSAI Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|---------------------------|---------------|-------------------------------|----------|-------------------|--------|
| FSSAI product category | Mandatory | Applicable schedule | Conforms | Regulatory review | Pass |
| FSSAI pesticide MRL | Mandatory | Within CIBRC notified limits | Complies | LC-MS/MS | Pass |
| FSSAI heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| BIS / FSSAI microbiology | Mandatory | Retail-ready where applicable | Complies | ISO/BIS | Pass |
| Legal metrology (net qty) | Non-mandatory | Declared | Conforms | Doc review | Pass |

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EU Buyer / Import Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------------------|---------------|--------------------|-------------|----------|--------|
| Lead (Pb) | Mandatory | Reg. 2023/915 | 0.26 mg/kg | ICP-MS | Pass |
| Arsenic (As) | Mandatory | EU limits | 0.15 mg/kg | ICP-MS | Pass |
| Cadmium (Cd) | Mandatory | EU limits | 0.050 mg/kg | ICP-MS | Pass |
| Mercury (Hg) | Mandatory | EU limits | 0.012 mg/kg | ICP-MS | Pass |
| Aflatoxin B1 | Mandatory | < 5 µg/kg | < 1.1 µg/kg | HPLC | Pass |
| Total aflatoxins | Mandatory | < 10 µg/kg | < 4.2 µg/kg | HPLC | Pass |
| EU pesticide MRL (EC 396/2005) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |
| Import documentation (CHED) | Non-mandatory | Ready | Conforms | QA | Pass |

UK Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|----------|-----------|--------|
| UK retained EU contaminants | Mandatory | Documented | Conforms | Reg check | Pass |
| UK FSA heavy metals | Mandatory | Within limits | Complies | ICP-MS | Pass |
| UK mycotoxin spec | Mandatory | Within limits | Complies | HPLC | Pass |
| UK pesticide MRL | Mandatory | GB MRL / buyer | Complies | LC-MS/MS | Pass |
| UK microbiology (retail) | Mandatory | Within spec | Complies | ISO | Pass |

USA Buyer Panel (FDA/FSMA)

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------|-----------|--------------------|--------------|------------------------|--------|
| FDA FSMA / FSVP readiness | Mandatory | Documented | Conforms | QA review | Pass |
| TAMC | Mandatory | < 100000 cfu/g | < 4389 cfu/g | USP <2021> / ISO 4833 | Pass |
| Yeast & mould | Mandatory | < 10000 cfu/g | < 598 cfu/g | USP <2021> / ISO 21527 | Pass |
| E. coli | Mandatory | Absent in 1g | Absent | USP <2022> | Pass |
| Salmonella | Mandatory | Absent in 25g | Absent | ISO 6579 | Pass |
| US EPA tolerance (residues) | Mandatory | Compliant | Complies | LC-MS/MS | Pass |

Non-EU International Buyer Panel

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-------------------------------|---------------|---------------------|----------|--------------|--------|
| GCC (UAE / Saudi / Qatar) SPS | Mandatory | Halal / contaminant | Conforms | Panel review | Pass |
| Australia NZ MPI biosecurity | Mandatory | Import conditions | Conforms | Doc + lab | Pass |
| Japan MHLW / Korea MFDS | Mandatory | Residual limits | Complies | LC-MS/MS | Pass |
| Canada CFIA | Mandatory | Food import | Conforms | Panel | Pass |
| ASEAN (SG/MY/TH/VN) | Mandatory | Regional MRL | Complies | LC-MS/MS | Pass |
| Buyer release index | Non-mandatory | Composite score | 92.7 | QA | Pass |

Mandatory Release Parameters

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|------------------------------------|-----------|--------------------|---------------|------------------|--------|
| Identity & grade confirmation | Mandatory | Release critical | Confirmed | Buyer spec tests | Pass |
| Trade marker result (see Chemical) | Mandatory | Decision-critical | Within spec | HPLC/GC/ASTA | Pass |
| Heavy metals panel | Mandatory | Release critical | Within limits | ICP-MS | Pass |
| Mycotoxin panel | Mandatory | Release critical | Within limits | HPLC | Pass |
| Microbial panel | Mandatory | Release critical | Within limits | USP/ISO | Pass |
| Pesticide panel | Mandatory | Release critical | Within limits | LC-MS/MS | Pass |

Optional & Physical Quality

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|----------------------------|-----------|--------------------|----------|--------|--------|
| Packaging / seal integrity | Mandatory | Export | Pass | Visual | Pass |
| Shelf-life / Apr-May stock | Optional | Dispatch window | Conforms | QA | Pass |

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Critical Export Decision Summary

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|-----------------------------------|-----------|--------------------|----------|----------------|--------|
| Export buyer decision status | Mandatory | All panels | Approved | Composite | Pass |
| Domestic + EU + UK + USA + Non-EU | Mandatory | Multi-market | All Pass | QA sign-off | Pass |
| Authenticity / adulteration | Mandatory | Critical | Pass | Targeted tests | Pass |
| Lot traceability Apr-May 2026 | Mandatory | ERP mapped | Verified | ERP | Pass |

General Notes

| Parameter | Type | Allowed limit/spec | Result | Method | Status |
|--------------------|------|-----------------------|----------|--------------|--------|
| Stock period | Info | April-May 2026 | Covered | QA | Info |
| NABL accreditation | Info | ISO/IEC 17025:2017 | Verified | Cert on file | Info |
| Report validity | Info | Sample & lot specific | Noted | QA | Info |

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