

**CERTIFICATE OF ANALYSIS - EU COMPLIANCE****Product: Turmeric Powder (Curcuma longa)**

Manufacturer: Botanika Bharat LLP

Address: 143, Shakti Vihar Colony, Kichha, Rudrapur, Udham Singh Nagar, Uttarakhand - 263153, India

Field	Value
Report ID	BBLLP/TUR/2026/531
Batch No.	B-TUR-26-01
Sample ID	TUR-EU-26-001
Date of Issue	09/03/2026
Date of Sample Submission	25/02/2026
Date Received in Lab	26/02/2026
Analysis Duration	26/02/2026 to 09/03/2026
Sample Quantity	250 g
Condition on Receipt	Good
Weather Conditions	Normal
Lab Accreditation	NABL approved, ISO/IEC 17025:2017
Applicable EU Framework	Reg. (EC) 1881/2006, Reg. (EU) 2023/915, Reg. (EC) 396/2005

**Nutritional analysis (per 100 g)**

Parameter	Result	Unit	Protocol
Total energy	338.20	kcal	By calculation
Total fat	6.58	g	AOAC
Carbohydrate	68.02	g	By calculation
Protein	1.03	g	AOAC
Curcumin content	10.80	g	HPLC

**Adulteration screening**

S. No.	Parameter	Result	Protocol	Status
1	Sand content	Absent	FSSAI manual / microscopy	PASS
2	Added color	Absent	FSSAI manual	PASS
3	Sudan dye	Absent	LC-MS	PASS
4	Metanil yellow	Absent	LC-MS	PASS

**Physico-chemical & contaminants**

Parameter	Result	Unit	Limit	Protocol	Status
Total ash	3.35	%	Max 7.0%	FSSAI / ISO	PASS
Acid insoluble ash	0.03	%	Max 1.5%	FSSAI / ISO	PASS
Moisture	9.6	%	Max 12.0%	ISO 712	PASS
pH (1% slurry)	6.14	-	5.5 - 7.0	pH meter	PASS
Lead (Pb)	< 0.04	mg/kg	< 3.0 mg/kg	ICP-MS	PASS
Arsenic (As)	< 0.03	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Cadmium (Cd)	< 0.05	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Mercury (Hg)	< 0.02	mg/kg	< 0.1 mg/kg	ICP-MS	PASS
Ethylene oxide	Not detected	-	Absent	GC-MS	PASS



## Mycotoxin, pesticide and microbiological panel

Parameter	Result	Unit	Limit	Protocol	Status
Aflatoxin B1	<= 0.90	ug/kg	<= 5 ug/kg	HPLC-FLD	PASS
Total aflatoxins	<= 1.48	ug/kg	<= 10 ug/kg	HPLC-FLD	PASS
Total pesticide residue	0.03	mg/kg	<= 0.05 mg/kg	HPLC	PASS
Total bacterial count	< 1000	cfu/g	< 10,000 cfu/g	ISO 4833	PASS
Salmonella	Absent	per 25 g	Absent / 25 g	ISO 6579-1	PASS
Yeast & mould	Absent	cfu/g	< 100 cfu/g	ISO 21527	PASS

## Remarks & compliance statement

NABL remark: The Turmeric Powder sample satisfies compositional, contaminant, and microbiological controls required for EU-oriented food processing channels. Curcumin content is within declared grade range; mycotoxin, pesticide, and heavy-metal profiles are compliant with the referenced EU framework.

Instruction / note: This report is valid only for the tested sample and stated lot. Reproduction must be complete and unaltered. Borderline or legal acceptance decisions must consider the latest importing-country notification and buyer specification.



Authorised signatory

**CERTIFICATE OF ANALYSIS - EU COMPLIANCE****Product: Turmeric Powder (Curcuma longa)**

Manufacturer: Botanika Bharat LLP

Address: 143, Shakti Vihar Colony, Kichha, Rudrapur, Udham Singh Nagar, Uttarakhand - 263153, India

Field	Value
Report ID	BBLLP/TUR/2026/542
Batch No.	B-TUR-26-02
Sample ID	TUR-EU-26-002
Date of Issue	18/03/2026
Date of Sample Submission	07/03/2026
Date Received in Lab	08/03/2026
Analysis Duration	08/03/2026 to 18/03/2026
Sample Quantity	250 g
Condition on Receipt	Good
Weather Conditions	Normal
Lab Accreditation	NABL approved, ISO/IEC 17025:2017
Applicable EU Framework	Reg. (EC) 1881/2006, Reg. (EU) 2023/915, Reg. (EC) 396/2005

**Nutritional analysis (per 100 g)**

Parameter	Result	Unit	Protocol
Total energy	338.90	kcal	By calculation
Total fat	6.66	g	AOAC
Carbohydrate	68.14	g	By calculation
Protein	1.06	g	AOAC
Curcumin content	11.00	g	HPLC

**Adulteration screening**

S. No.	Parameter	Result	Protocol	Status
1	Sand content	Absent	FSSAI manual / microscopy	PASS
2	Added color	Absent	FSSAI manual	PASS
3	Sudan dye	Absent	LC-MS	PASS
4	Metanil yellow	Absent	LC-MS	PASS

**Physico-chemical & contaminants**

Parameter	Result	Unit	Limit	Protocol	Status
Total ash	3.40	%	Max 7.0%	FSSAI / ISO	PASS
Acid insoluble ash	0.04	%	Max 1.5%	FSSAI / ISO	PASS
Moisture	9.8	%	Max 12.0%	ISO 712	PASS
pH (1% slurry)	6.18	-	5.5 - 7.0	pH meter	PASS
Lead (Pb)	< 0.04	mg/kg	< 3.0 mg/kg	ICP-MS	PASS
Arsenic (As)	< 0.03	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Cadmium (Cd)	< 0.05	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Mercury (Hg)	< 0.02	mg/kg	< 0.1 mg/kg	ICP-MS	PASS
Ethylene oxide	Not detected	-	Absent	GC-MS	PASS



## Mycotoxin, pesticide and microbiological panel

Parameter	Result	Unit	Limit	Protocol	Status
Aflatoxin B1	<= 0.90	ug/kg	<= 5 ug/kg	HPLC-FLD	PASS
Total aflatoxins	<= 1.48	ug/kg	<= 10 ug/kg	HPLC-FLD	PASS
Total pesticide residue	0.03	mg/kg	<= 0.05 mg/kg	HPLC	PASS
Total bacterial count	< 1000	cfu/g	< 10,000 cfu/g	ISO 4833	PASS
Salmonella	Absent	per 25 g	Absent / 25 g	ISO 6579-1	PASS
Yeast & mould	Absent	cfu/g	< 100 cfu/g	ISO 21527	PASS

## Remarks & compliance statement

NABL remark: The Turmeric Powder sample satisfies compositional, contaminant, and microbiological controls required for EU-oriented food processing channels. Curcumin content is within declared grade range; mycotoxin, pesticide, and heavy-metal profiles are compliant with the referenced EU framework.

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Authorised signatory

**CERTIFICATE OF ANALYSIS - EU COMPLIANCE****Product: Turmeric Powder (Curcuma longa)**

Manufacturer: Botanika Bharat LLP

Address: 143, Shakti Vihar Colony, Kichha, Rudrapur, Udham Singh Nagar, Uttarakhand - 263153, India

Field	Value
Report ID	BBLLP/TUR/2026/553
Batch No.	B-TUR-26-03
Sample ID	TUR-EU-26-003
Date of Issue	29/03/2026
Date of Sample Submission	17/03/2026
Date Received in Lab	18/03/2026
Analysis Duration	18/03/2026 to 29/03/2026
Sample Quantity	250 g
Condition on Receipt	Good
Weather Conditions	Normal
Lab Accreditation	NABL approved, ISO/IEC 17025:2017
Applicable EU Framework	Reg. (EC) 1881/2006, Reg. (EU) 2023/915, Reg. (EC) 396/2005

**Nutritional analysis (per 100 g)**

Parameter	Result	Unit	Protocol
Total energy	339.60	kcal	By calculation
Total fat	6.74	g	AOAC
Carbohydrate	68.26	g	By calculation
Protein	1.09	g	AOAC
Curcumin content	11.20	g	HPLC

**Adulteration screening**

S. No.	Parameter	Result	Protocol	Status
1	Sand content	Absent	FSSAI manual / microscopy	PASS
2	Added color	Absent	FSSAI manual	PASS
3	Sudan dye	Absent	LC-MS	PASS
4	Metanil yellow	Absent	LC-MS	PASS

**Physico-chemical & contaminants**

Parameter	Result	Unit	Limit	Protocol	Status
Total ash	3.45	%	Max 7.0%	FSSAI / ISO	PASS
Acid insoluble ash	0.05	%	Max 1.5%	FSSAI / ISO	PASS
Moisture	10.0	%	Max 12.0%	ISO 712	PASS
pH (1% slurry)	6.22	-	5.5 - 7.0	pH meter	PASS
Lead (Pb)	< 0.04	mg/kg	< 3.0 mg/kg	ICP-MS	PASS
Arsenic (As)	< 0.03	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Cadmium (Cd)	< 0.05	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Mercury (Hg)	< 0.02	mg/kg	< 0.1 mg/kg	ICP-MS	PASS
Ethylene oxide	Not detected	-	Absent	GC-MS	PASS



## Mycotoxin, pesticide and microbiological panel

Parameter	Result	Unit	Limit	Protocol	Status
Aflatoxin B1	<= 0.90	ug/kg	<= 5 ug/kg	HPLC-FLD	PASS
Total aflatoxins	<= 1.48	ug/kg	<= 10 ug/kg	HPLC-FLD	PASS
Total pesticide residue	0.03	mg/kg	<= 0.05 mg/kg	HPLC	PASS
Total bacterial count	< 1000	cfu/g	< 10,000 cfu/g	ISO 4833	PASS
Salmonella	Absent	per 25 g	Absent / 25 g	ISO 6579-1	PASS
Yeast & mould	Absent	cfu/g	< 100 cfu/g	ISO 21527	PASS

## Remarks & compliance statement

NABL remark: The Turmeric Powder sample satisfies compositional, contaminant, and microbiological controls required for EU-oriented food processing channels. Curcumin content is within declared grade range; mycotoxin, pesticide, and heavy-metal profiles are compliant with the referenced EU framework.

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Authorised signatory

**CERTIFICATE OF ANALYSIS - EU COMPLIANCE****Product: Turmeric Powder (Curcuma longa)**

Manufacturer: Botanika Bharat LLP

Address: 143, Shakti Vihar Colony, Kichha, Rudrapur, Udham Singh Nagar, Uttarakhand - 263153, India

Field	Value
Report ID	BBLLP/TUR/2026/564
Batch No.	B-TUR-26-04
Sample ID	TUR-EU-26-004
Date of Issue	11/04/2026
Date of Sample Submission	31/03/2026
Date Received in Lab	01/04/2026
Analysis Duration	01/04/2026 to 11/04/2026
Sample Quantity	250 g
Condition on Receipt	Good
Weather Conditions	Normal
Lab Accreditation	NABL approved, ISO/IEC 17025:2017
Applicable EU Framework	Reg. (EC) 1881/2006, Reg. (EU) 2023/915, Reg. (EC) 396/2005

**Nutritional analysis (per 100 g)**

Parameter	Result	Unit	Protocol
Total energy	340.30	kcal	By calculation
Total fat	6.82	g	AOAC
Carbohydrate	68.38	g	By calculation
Protein	1.12	g	AOAC
Curcumin content	11.40	g	HPLC

**Adulteration screening**

S. No.	Parameter	Result	Protocol	Status
1	Sand content	Absent	FSSAI manual / microscopy	PASS
2	Added color	Absent	FSSAI manual	PASS
3	Sudan dye	Absent	LC-MS	PASS
4	Metanil yellow	Absent	LC-MS	PASS

**Physico-chemical & contaminants**

Parameter	Result	Unit	Limit	Protocol	Status
Total ash	3.50	%	Max 7.0%	FSSAI / ISO	PASS
Acid insoluble ash	0.06	%	Max 1.5%	FSSAI / ISO	PASS
Moisture	10.2	%	Max 12.0%	ISO 712	PASS
pH (1% slurry)	6.26	-	5.5 - 7.0	pH meter	PASS
Lead (Pb)	< 0.04	mg/kg	< 3.0 mg/kg	ICP-MS	PASS
Arsenic (As)	< 0.03	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Cadmium (Cd)	< 0.05	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Mercury (Hg)	< 0.02	mg/kg	< 0.1 mg/kg	ICP-MS	PASS
Ethylene oxide	Not detected	-	Absent	GC-MS	PASS



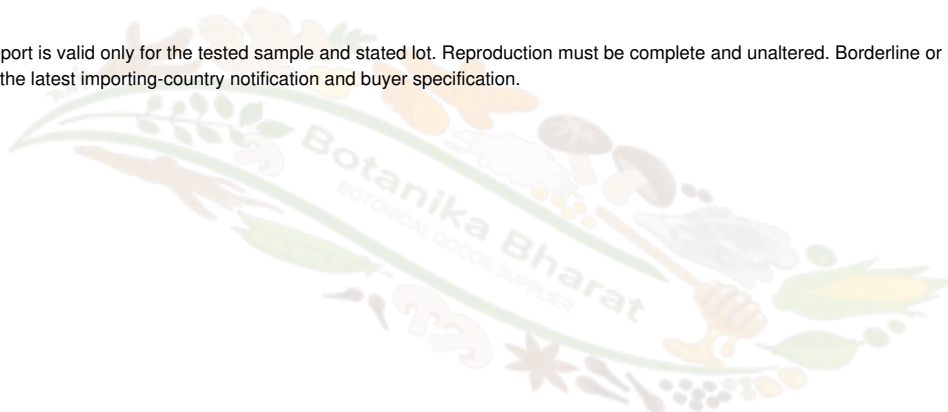
## Mycotoxin, pesticide and microbiological panel

Parameter	Result	Unit	Limit	Protocol	Status
Aflatoxin B1	<= 0.90	ug/kg	<= 5 ug/kg	HPLC-FLD	PASS
Total aflatoxins	<= 1.48	ug/kg	<= 10 ug/kg	HPLC-FLD	PASS
Total pesticide residue	0.03	mg/kg	<= 0.05 mg/kg	HPLC	PASS
Total bacterial count	< 1000	cfu/g	< 10,000 cfu/g	ISO 4833	PASS
Salmonella	Absent	per 25 g	Absent / 25 g	ISO 6579-1	PASS
Yeast & mould	Absent	cfu/g	< 100 cfu/g	ISO 21527	PASS

## Remarks & compliance statement

NABL remark: The Turmeric Powder sample satisfies compositional, contaminant, and microbiological controls required for EU-oriented food processing channels. Curcumin content is within declared grade range; mycotoxin, pesticide, and heavy-metal profiles are compliant with the referenced EU framework.

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Authorised signatory

**CERTIFICATE OF ANALYSIS - EU COMPLIANCE****Product: Turmeric Powder (Curcuma longa)**

Manufacturer: Botanika Bharat LLP

Address: 143, Shakti Vihar Colony, Kichha, Rudrapur, Udham Singh Nagar, Uttarakhand - 263153, India

Field	Value
Report ID	BBLLP/TUR/2026/575
Batch No.	B-TUR-26-05
Sample ID	TUR-EU-26-005
Date of Issue	24/04/2026
Date of Sample Submission	12/04/2026
Date Received in Lab	13/04/2026
Analysis Duration	13/04/2026 to 24/04/2026
Sample Quantity	250 g
Condition on Receipt	Good
Weather Conditions	Normal
Lab Accreditation	NABL approved, ISO/IEC 17025:2017
Applicable EU Framework	Reg. (EC) 1881/2006, Reg. (EU) 2023/915, Reg. (EC) 396/2005

**Nutritional analysis (per 100 g)**

Parameter	Result	Unit	Protocol
Total energy	341.00	kcal	By calculation
Total fat	6.90	g	AOAC
Carbohydrate	68.50	g	By calculation
Protein	1.15	g	AOAC
Curcumin content	11.60	g	HPLC

**Adulteration screening**

S. No.	Parameter	Result	Protocol	Status
1	Sand content	Absent	FSSAI manual / microscopy	PASS
2	Added color	Absent	FSSAI manual	PASS
3	Sudan dye	Absent	LC-MS	PASS
4	Metanil yellow	Absent	LC-MS	PASS

**Physico-chemical & contaminants**

Parameter	Result	Unit	Limit	Protocol	Status
Total ash	3.55	%	Max 7.0%	FSSAI / ISO	PASS
Acid insoluble ash	0.07	%	Max 1.5%	FSSAI / ISO	PASS
Moisture	10.4	%	Max 12.0%	ISO 712	PASS
pH (1% slurry)	6.30	-	5.5 - 7.0	pH meter	PASS
Lead (Pb)	< 0.04	mg/kg	< 3.0 mg/kg	ICP-MS	PASS
Arsenic (As)	< 0.03	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Cadmium (Cd)	< 0.05	mg/kg	< 1.0 mg/kg	ICP-MS	PASS
Mercury (Hg)	< 0.02	mg/kg	< 0.1 mg/kg	ICP-MS	PASS
Ethylene oxide	Not detected	-	Absent	GC-MS	PASS



## Mycotoxin, pesticide and microbiological panel

Parameter	Result	Unit	Limit	Protocol	Status
Aflatoxin B1	<= 0.90	ug/kg	<= 5 ug/kg	HPLC-FLD	PASS
Total aflatoxins	<= 1.48	ug/kg	<= 10 ug/kg	HPLC-FLD	PASS
Total pesticide residue	0.03	mg/kg	<= 0.05 mg/kg	HPLC	PASS
Total bacterial count	< 1000	cfu/g	< 10,000 cfu/g	ISO 4833	PASS
Salmonella	Absent	per 25 g	Absent / 25 g	ISO 6579-1	PASS
Yeast & mould	Absent	cfu/g	< 100 cfu/g	ISO 21527	PASS

## Remarks & compliance statement

NABL remark: The Turmeric Powder sample satisfies compositional, contaminant, and microbiological controls required for EU-oriented food processing channels. Curcumin content is within declared grade range; mycotoxin, pesticide, and heavy-metal profiles are compliant with the referenced EU framework.

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Authorised signatory

**Certificate of Analysis****Food Sample Analysis****Report Code:****Issue Date: 09/03/2026**

**Issued To : BOTANIKA BHARAT LLP**  
**143, Shakti Vihar Colony, Kichha, Rudarpur**  
**Udham Singh Nagar-263153, Utrakhand**

Sample Description : Turmeric Powder  
 Sample Drawn By : By Customer  
 Sample Received On : 27/02/2026  
 Sample Quantity : 250gm  
 Condition on Receipt : Good  
 Weather Conditions : Normal  
 Analysis Duration : 27/02/2026 To 09/03/2026  
 Remark (if Any) : NA

**“Nutritional Analysis of Turmeric Powder”**

S. No.	Parameter	Test Result as per 100gm	Unit	Protocol
1	Total Energy	338.19	Kcal	By Calculation
2	Total Fat	6.75	gm	AOAC
3	Saturated Fat	3.60	gm	AOAC
4	Polyunsaturated Fat	1.92	gm	AOAC
5	Monounsaturated Fat	1.23	gm	AOAC
7	Total Carbohydrate	68.26	gm	By Calculation
8	Sugar	0.0	gm	AOAC
9	Protein	1.10	gm	AOAC
10	Dietary Fiber	1.10	gm	AOAC
11	Curcumin Content	10.90	gm	By HPLC

**“Adulteration Analysis of Turmeric Powder”**

S. No.	Parameter	Test Result	Protocol
1	Sand Content	Absent	FSSAI MANNUAL
2	Added Color	Absent	FSSAI MANNUAL
3	Artificial Flavor	Absent	FSSAI MANNUAL
4	Black Content	Absent	FSSAI MANNUAL
5	Rice Bran Powder	Absent	FSSAI MANNUAL
6	Sudan Dye	Absent	FSSAI MANNUAL
7	Metanil Yellow	Absent	FSSAI MANNUAL

**“Physio-Chemical Analysis of Turmeric Powder”**

S. No.	Parameter	Test Result	Unit	Protocol
1	Total Ash	3.48	%	FSSAI MANNUAL
2	Acid Soluble Ash	0.10	%	FSSAI MANNUAL
3	Acid Insoluble Ash	0.02	%	FSSAI MANNUAL
4	Moisture	0.20	%	FSSAI MANNUAL
5	Acidity	0.16	%	FSSAI MANNUAL
6	pH Value	6.22	-----	FSSAI MANNUAL

**“Heavy Metal Analysis of Turmeric Powder”**

S. No.	Parameter	Test Result	Unit	Limits	Protocol
1	Lead	<0.04mg/kg	mg/kg	1.50mg/kg	LAB/SOP-AAS
2	Arsenic	<0.03mg/kg	mg/kg	1.50mg/kg	LAB/SOP-AAS
3	Cadmium	<0.05mg/kg	mg/kg	1.50mg/kg	LAB/SOP-AAS
4	Mercury	<0.02mg/kg	mg/kg	1.50mg/kg	LAB/SOP-AAS
5	Ethylene Oxide	Not Detected	.....	Absent	LAB/SOP-GC-FID

**"Aflatoxin Analysis of Turmeric Powder"**

S. No.	Parameter	Test Result	Unit	Limits	Protocol
1	Aflatoxin B1	≤0.90 µg/kg	µg/kg	≤5 µg/kg	By HPLC
2	Aflatoxin B1+B2+ G1+G2	≤1.48 µg/kg	µg/kg	≤10 µg/kg	By HPLC

**"Chemical Analysis of Turmeric Powder"**

S. No.	Parameter	Test Result	Unit	Limits	Protocol
1	Total Pesticides Residue	0.03	mg/kg	0.05 mg/kg	By HPLC

**"Microbiological Value Analysis of Turmeric Powder"**

S. No.	Parameter	Test Result	Unit	Limit	Protocol
1	Total Bacteria Count	2.0	cfu/gm	10cfu/gm	IS: 5402 (P-1) 2021
2	Salmonella	Absent	Per 25gm	Absent/25gm	IS: 5887 (P-3)-1999 RA 2022
3	Yeast & Mould	Absent	cfu/gm	Absent/gm	IS: 5403-1993 (RA-2018)

Checked by

\*\*\*End of the Report\*\*\*

Authorized Signatory