

**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.

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.



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