

**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, Uttarakhand**

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 MANUAL
2	Added Color	Absent	FSSAI MANUAL
3	Artificial Flavor	Absent	FSSAI MANUAL
4	Black Content	Absent	FSSAI MANUAL
5	Rice Bran Powder	Absent	FSSAI MANUAL
6	Sudan Dye	Absent	FSSAI MANUAL
7	Metanil Yellow	Absent	FSSAI MANUAL

"Physio-Chemical Analysis of Turmeric Powder"

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

"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