

CERTIFICATE OF ANALYSIS

Product Name	Turmeric Root Extract	Specification	Company Standard
Manufacture Date	2024.7.6	Analysis Date	2024.7.12
Batch No.	BF-240706	Expiry Date	2026.7.11
Items	Specifications		Results
Appearance	Yellow orange powder		Conforms
Odor & Taste	Characteristic		Conforms
Extract Solvent	Ethyl Acetate		Conforms
Solubility	Soluble in ethanol and glacial acetic acid		Conforms
Identification	HPLC/TLC		Conforms
Total Curcuminoids	≥95.0%		95.10%
Curcumin	70%-80%		73.70%
Demthoxycurcumin	15%-25%		16.80%
Bisdemethoxycurcumin	2.5%-6.5%		4.50%
Loss on Drying(%)	≤2.0%		0.61%
Ash(%)	≤1.0%		0.40%
Particle Size	≥95% pass 80 mesh		Conforms
Solvent residue	≤5000ppm		3100
Tap Density g/ml	0.5-0.9		0.51
Bulk Density g/ml	0.3-0.5		0.31
Residue Analysis			
Lead (Pb)	≤1.00mg/kg		Complies
Arsenic (As)	≤1.00mg/kg		Complies
Cadmium (Cd)	≤1.00mg/kg		Complies
Mercury (Hg)	≤0.1mg/kg		Complies
Total Heavy Metal	≤10mg/kg		Complies
Microbiological Test			
Total Plate Count	<1000cfu/g		Complies
Yeast & Mold	<100cfu/g		Complies
E.Coli	Negative		Negative
Salmonella	Negative		Negative
Package	Packed in plastic bag inside and aluminum foil bag outside.		
Storage	Store in a cool and dry place, keep away from strong light and heat.		
Shelf life	Two years when properly stored.		
Conclusion	Sample Qualified.		

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