

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Turmeric Extract
Botanical name	Curcuma longa L.
Part used	Root
Batch No.	T20250409
Manufacture date	2025-04-09
Issue date	2025-04-10
Expiry date	2028-04-08
Shelf life	3 years

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Yellow-orange powder	Conforms
Odor & Taste	Characteristic	Conforms
Assay (Curcuminoids)	≥95.0%	95.3%
Particle size	95% pass 80 mesh	Conforms
Identification	Positive	Positive
Loss on drying	≤5.0%	3.22%
Residue on ignition	≤5.0%	4.23%
Bulk density	0.3–0.6 g/ml	Conforms
Tapped density	0.5–0.9 g/ml	Conforms

Heavy Metals

Analysis Item	Specification	Result
Heavy metals (total)	NMT 10 ppm	<10 ppm
Lead (Pb)	NMT 3 ppm	<3 ppm
Arsenic (As)	NMT 2 ppm	<2 ppm
Mercury (Hg)	NMT 0.1 ppm	<0.1 ppm
Cadmium (Cd)	NMT 1 ppm	<1 ppm

Microbiological Tests

Analysis Item	Specification	Result
Total plate count	NMT 10,000 CFU/g	<1,000 CFU/g
Total yeast & mold	NMT 1,000 CFU/g	<100 CFU/g
E. coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative

General Status

Non-GMO	Yes
Allergen Free	Yes
Non-Irradiation	Yes

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