

CERTIFICATE OF ANALYSIS

Product: Curcumin 95%			Report No.: BMIR201784	
			Date : 23.12.2020	
			Spec No : FPS/B01/0010-00	
Botanical Name	Part used	Country of Origin	Batch quantity	Page No
<i>Curcuma longa</i>	Rhizomes	India	350 kg	01/02

Batch Number	BMI20201774	Date of manufacture	Dec- 2020
		Date of expiry	Nov- 2025

Parameter	Specification	Results	Protocol #
Physical			
Description	Orange yellowish color* Powder with characteristic odor and taste	Complies	Organoleptic
Identification	To comply by HPLC	Complies	TM/0010
Solubility	Insoluble in water	Complies	USP
Loss on drying	Not more than 5.0%w/w	0.30%w/w	USP <731>
Ash content	Not more than 5.0%w/w	0.51%w/w	USP <281>
Untapped bulk density	Between 0.30 to 0.60g/ml	0.37g/ml	USP <616>
Tapped bulk density	Between 0.40 to 0.80g/ml	0.59g/ml	USP <616>
Particle size			
40 mesh	Not less than 100% passing	100.0%	USP <786>
Assay			
Content of Curcuminoids by HPLC	Not less than 95.0% w/w	95.24%	TM/0010
Heavy Metals	ICP-OES		
Lead	Not more than 1.0ppm	0.32ppm	USP <233>
Arsenic	Not more than 1.0ppm	0.048ppm	USP <233>
Cadmium	Not more than 0.5ppm	0.019ppm	USP <233>
Mercury	Not more than 0.1ppm	0.038ppm	USP <233>
Microbiological			
Total plate count	Not more than 3000cfu/g	20cfu/g	USP <2021>
Total yeast and mold count	Not more than 100cfu/g	10cfu/g	USP <2021>
Escherichia coli	Negative / 10g	Negative	USP <2022>
Salmonella spp.	Negative / 10g	Negative	USP <2022>
Coliforms	Negative / 10g	Negative	USP <2021>
Staphylococcus aureus	Negative / 10g	Negative	USP <2022>
Pseudomonas aeruginosa	Negative / 10g	Negative	USP <62>



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Additional information	
Sanitizing treatment	Non-irradiated and not treated with ETO
Genetic Modification Status	GMO free
BSE / TSE status	BSE / TSE free
Manufactured by	Bio-Med Ingredients Ltd
Shelf life	5 years when stored in unopened original package at the recommended storage condition.
Packing	Packed in food grade polythene bag followed by 50 L HDPE Container.
Standard Pack size	25 kg in single HDPE/ Paper Container
Storage Condition	Store in dry, cool place, protected from light, heat and oxidation. The recommended storage temperature is below 30° C.

* The product is of herbal origin. There may be minor color difference because of the geographical and seasonal variations of the plant material.

Conclusion: This Product complies with the specifications based on the above tests conducted.

