

## PRODUCT SPECIFICATION

<b>INCI/Botanical Name</b>	<b><i>CURCUMA LONGA</i></b>	<b>Date of Expiry</b>	03 Years
<b>Product Name</b>	Nano Curcumin Extract	<b>Extraction Solvent</b>	Ethyl Acetate
<b>Report No</b>	CL/BIP/22004/23	<b>Extraction Ratio</b>	---
<b>Parts of Plant</b>	Rhizome	<b>Origin</b>	India
<b>Cas No</b>	458-37-7	<b>HSN Code</b>	13021919
TEST		SPECIFICATION	
METHOD			
<b>A. Physical Parameters:</b>			
Appearance	Fine powder	Visual	
Color	Yellow color	Visual	
Odour	Characteristic	Organoleptic	
Taste	Characteristic	Organoleptic	
pH (1% Aqu. Sol <sup>n</sup> )	NLT 4.0	USP 791	
Ash Content	NMT 6.0 % w/w	USP 281	
Loss on Drying (At 105 <sup>o</sup> C)	NMT 6.0 % w/w	USP 731	
Bulk Density	NLT 0.30 gm/ml	USP 616	
Solubility in water	NLT 70.0% w/v	USP 561	
<b>B. Active Ingredients:</b>			
Curcuminoids	NLT 10.0 % w/w	HPLC	
<b>C. Heavy Metals:</b>			
Lead (PB)	NMT 3.0 ppm	ICP-MS	
Arsenic (AS)	NMT 1.0 ppm	ICP-MS	
Cadmium (CD)	NMT 1.0 ppm	ICP-MS	
Mercury (HG)	NMT 0.1 ppm	ICP-MS	
<b>D. Residual Solvent:</b>			
Ethyl Acetate	Complies	USP	
<b>E. Microbiological Test:</b>			
Total Plate Count	NMT 1000 cfu/gm	USP 2021	
Total Yeast & Mold Count	NMT 100 cfu/gm	USP 2021	
Escherichia coli	Absent	USP 2022	
Salmonella	Absent	USP 2022	
Staphylococcus aureus	Absent	USP 2022	
Pseudomonas aeruginosa	Absent	USP 2022	
<b>F. Mycotoxin:</b>			
Aflatoxins (B1+B2+G1+G2)	---	USP 561	
Pesticide Residues	---	USP 561	
<b>G. Other:</b>			
Standard Packing: 25 Kg in single HDPE Container.			
The material is free from Allergens / GMO / BSE - TSE.			
The material is not tested on animals.			
The material is non-irradiated & not treated with ETO.			
The above material complies with in-house specifications.			
Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30 ° C.			
The Product Is of Herbal Origin. There May Be Minor Color Difference Due To Geographical and Seasonal Variation of the Plant Material.			

**Note: This Is Computer Generated Specification & Does Not Require A Physical Signature.**

