

PRODUCT SPECIFICATION

INCI/Botanical Name	<i>CURCUMA LONGA</i>	Date of Expiry	03 Years
Product Name	Curcumin Extract	Extraction Solvent	Ethyl Acetate
Report No	CL/SLA/310723/23	Ratio	50:1
Parts of Plant	Rhizome	Origin	India
Cas No	458-37-7	HSN Code	13021919
Food Additive Code	E 100		
TEST	SPECIFICATION	METHOD	
A. Physical Parameters:			
Color and Appearances	Orange Yellow Color Powder	Visual	
Identification	To comply by HPLC	USP	
Loss on Drying (At 105 ^o C)	NMT 2.0% w/w	USP 731	
Solubility	Soluble in acetone & alcohol, insoluble in water	USP 561	
Tapped Bulk Density	Between 0.40 g/ml to 0.65 g/ml	USP 616	
Loose Bulk Density	Between 0.50 g/ml to 0.70 g/ml	USP 616	
Particle Size (80 mesh)	NLT 95.0% w/w	USP 786	
B. Active Ingredients:			
Total Curcuminoids (By HPLC)	NLT 95.0% w/w	USP	
Bisdemethoxy Curcumin	NLT 2% w/w	USP	
Demethoxy Curcumin	NLT 15% w/w	USP	
Curcumin	NLT 75% w/w	USP	
C. Heavy Metals:			
Heavy metals (Total)	NMT 10.0 ppm	USP 233	
Lead (Pb)	NMT 3.0 ppm	USP 233	
Arsenic (As)	NMT 1.0 ppm	USP 233	
Cadmium (Cd)	NMT 1.0 ppm	USP 233	
Mercury (Hg)	NMT 0.1 ppm	USP 233	
D. PAH			
Benzo(a) pyrene	NMT 10 µg/kg	USP	
Benzo(a) anthracene	NMT 10 µg/kg	USP	
Chrysene	NMT 10 µg/kg	USP	
Benzo (b) Fluranthene	NMT 10 µg/kg	USP	
Sum of 4 PAH	NMT 10 µg/kg	USP	
E. Microbiological Test:			
Total Plate Count	NMT 3000 cfu/g	USP 61	
Total Yeast & Mold Count	NMT 100 cfu/gm	USP 61	
Escherichia coli	Negative/10 g	USP 61	
Salmonella	Negative/10 g	USP 61	
Staphylococcus aureus	Negative/10 g	USP 61	
F. Mycotaxin			
Aflatoxins (B1+B2+G1+G2)	Should complies as per USP	USP 561	
Residual Pesticides	To comply as per USP	USP 561	
G. Other:			
Standard Packing: 25 Kg in single HDPE Container.			
The material is free from Allergens / GMO/ BSE - TSE.			
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.

