

PRODUCT SPECIFICATION			
INCI/Botanical Name	<b>BERBERIS ARISTATA</b>	Date of Expiry	03 Years
Product Name	Berberine Extract	Extraction Type	Water Extraction
Report No	BA/FHP/003/23	Extraction Ratio	100:1
Parts of Plant	Root & Stem	Origin	India
Cas No	2086-83-1	HSN Code	13021919
TEST	SPECIFICATION	METHOD	
<b>A. Physical Parameters:</b>			
Appearance	Free flowing powder	Visual	
Color	Yellow color	Visual	
Odour	Characteristic	Organoleptic	
Taste	Characteristic	Organoleptic	
Identification	Positive by TLC	USP	
Loss on Drying ( At 105°C )	NMT 12.0% w/w	USP 731	
Ash Content	NMT 0.1% w/w	USP 281	
Solubility	Freely soluble in hot water & soluble in alcohol	USP 561	
Particle Size (40 Mesh)	NLT 95.0% w/w	USP 786	
Additives Use	No additives	In House	
<b>B. Active Ingredients:</b>			
Berberine by UV/HPLC	NLT 97.0% w/w	JP	
<b>C. Heavy Metals:</b>			
Lead (PB)	NMT 3.0 ppm	USP 231	
Arsenic (AS)	NMT 1.0 ppm	USP 231	
Cadmium (CD)	NMT 1.0 ppm	USP 231	
Mercury (HG)	NMT 0.5 ppm	USP 231	
<b>D. Microbiological Test:</b>			
Total Plate Count	NMT 10000 cfu/g	USP 2021	
Total Yeast & Mold Count	NMT 100 cfu/g	USP 2021	
Escherichia coli	Negative	USP 2022	
Salmonella	Negative	USP 2022	
Staphylococcus aureus	Negative	USP 2022	
Pseudomonas aeruginosa	Negative	USP 2022	
<b>E. Contaminants:</b>			
Aflatoxin (B1+B2+G1+G2)	NMT 20.0 ppb	USP 561	
Pesticides Residue	Organic requirement	USP 561	
<b>F. 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.**

