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SPECIFICATION SHEET

Product Name	BERBERINE SULFATE	
Botanical Name	Berberis Aristata	
Plant Part	Root	
ANALYSIS ITEM	**SPECIFICATION**	**TEST METHOD**
Active Ingredients		
Berberine Sulfate	≥ 99%	HPLC (on anhydrous basis)
PHYSICAL CONTROL		
Appearance	Fine Powder	Organoleptic
Colour	Yellow	Organoleptic
Odour	Characteristic	Organoleptic
Sieve analysis	100% through 80 mesh	USP34 <786>
Loss on Drying	≤ 10.0%	Eur.Ph.7.0[2.8.17]
CHEMICAL CONTROL		
Heavy Metal		
Arsenic (As)	≤ 2.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS
Cadmium (Cd)	≤ 1.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS
Lead (Pb)	≤ 3.0 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS
Mercury (Hg)	≤ 0.1 mg/kg	Eur.Ph.7.0<2.2.58>ICP-MS
MICROBIOLOGICAL CONTROL	**Non-Irradiated**	
Total Plate Count	≤ 10000 cfu/g	USP34 <61>
Yeast & Mold	≤ 1000 cfu/g	USP34 <61>
Salmonella	Negative	USP34 <62>
E. Coli	Negative	USP34 <62>
Storage	Store in a well-closed container away from moisture, light, oxygen.	

Note: The above information is based on the specifiction sheet received from the manufacturer of this product and not intended as a substitute for strict quality control analysis by the purchaser of this product.

Reviewed by : _____
Abdullah Malik (QA)