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Specification Sheet

Product Name:	**Berberine HCL**	Plant Source:	***Phellodendron Amurense Rupr***
Part Used:	**Bark**	Origin:	**China**

ITEM		**SPECIFICATION**	**STANDARD REFERENCED**
Physical	Appearance	Yellow	Visual
	Odor & Taste	Odorless and bitter in taste	Sensory
	Related substances	≤2.0%	USP
	Palmatine and jatrorrhizine	≤1.0%	USP
	Loss on Drying	≤12.0%	USP
	Residue on Ignition	≤0.2%	USP
	Particle size	NLT 95% through 20 mesh	USP
Chemical	Heavy metals	≤10ppm	ICP/MS
	Arsenic	≤2ppm	ICP/MS
	Mercury	≤2ppm	ICP/MS
	Lead	≤2ppm	ICP/MS
	GMO	Non GMO	USP
Assay	Berberine Hydrochloride	≥99%	HPLC
Microbial	Total microbacterial count	≤3000CFU/g	USP
	Yeast &Mould	≤300CFU/g	USP
	Escherichia Coli presence	Negative	Absent/10g
	Salmonella	Negative	Absent/10g
	Stahylococcus aureus	Negative	Absent/10g
Else	Packing	Pack in paper-drums and two plastic bag inside. Net weight: 25kg/drum	
	Storage condition	Sealed, Kept in a shady & dry place	
	Shelf life	Three years when properly stored	

Note: The above information is based on the specification 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)