



JIAHERB
essentials of nature

VCRc-240606

CERTIFICATE OF ANALYSIS

Berberine Hydrochloride 97% HPLC (Dry Basis)

GENERAL INFORMATION

Lot Number	CYSXBJ-C-A392274 ✓	Report Date	12/14/2023
Manufacture Date	12/07/2023	Expiration Date	12/06/2026
Botanical Species	<i>Phellodendron amurense Rupr</i>	Part Usad	Bark
Country of Origin	China	Carrier Used	None
Solvent Used	Water & Ethanol	Kosher Halal	Yes Yes

ITEM	SPECIFICATION	TEST RESULTS	METHOD
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PHYSICAL & CHEMICAL

Identification	Corresponds to Reference Standard	Complies	HPLC USP<621>
Appearance	Yellow fine powder	Complies	Organoleptic
Berberine HCl(dry basis)	NLT (%) 97.0	98.02 ✓	HPLC USP<621>
Particle Size	NLT 95% through 80 mesh	Complies	USP<786>
Loss on Drying	NMT (%) 15.0	9.39	USP<731>
Bulk Density	Between (g/100ml) 10-50	24	USP<616>Method I

CONTAMINANTS

Lead (Pb)	NMT (ppm) 2.0	0.0286	ICP-MS USP<730>
Arsenic (As)	NMT (ppm) 2.0	0.3929	ICP-MS USP<730>
Cadmium (Cd)	NMT (ppm) 1.0	0.0286 ✓	ICP-MS USP<730>
Mercury (Hg)	NMT (ppm) 1.0	0.0257 ✓	ICP-MS USP<730>
Solvent Residue	Meets Requirements	Complies ✓	GC USP<467>
Pesticide Residue	Meets Requirements	Complies	USP<565>

MICROBIOLOGICAL

Total Plate Count	NMT (cfu/g) 10,000	10 ✓	USP<2021>
Yeast & Mold	NMT (cfu/g) 1,000	10 ✓	USP<2021>
E.Coli	Absent (cfu/10g)	Complies ✓	USP<2022>
Salmonella	Absent (cfu/10g)	Complies ✓	USP<2022>
Staphylococcus aureus	Absent (cfu/10g)	Complies	USP<2022>

PACKING & STORAGE

Packed in a polyethylene lined corrugated package.
Store in a well-closed container away from moisture, light and heat.
Net Weight: 15 kg Pack Type: Box

SHELF LIFE

36 months if under the conditions above and in its original packaging.

MANUFACTURER

Shaanxi Jiahe Pharmaceutical Co., Ltd.

NOTE

This is a natural product, variances may be found that are due to the growing and drying conditions, age, season, harvest time, geographic location, production process, etc.

Completed by: Qiangang Wang

Signature: Qiangang Wang

Title: Quality Control Manager



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