



**JIAHERB**  
essentials of nature

RI 0737  
R# 17643

## CERTIFICATE OF ANALYSIS

Maca Extract 4:1

**GENERAL INFORMATION**

Lot Number	CMAK-C-A302141	Report Date	02/28/2023
Manufacture Date	02/21/2023	Expiration Date	02/20/2026
Botanical Species	<i>Lepidium meyenii</i>	Part Used	Root
Country of Origin	Peru	Carrier Used	Maltodextrin
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	HPTLC    USP<203>
Appearance	Yellow brown to brown fine powder	Yellow brown fine powder	Organoleptic
Extract Ratio	NLT 4:1	Complies	Calculation
Particle Size	NLT 95% through 80 mesh	Complies	USP<786>
Loss on Drying	NMT (%) 10.0	5.11	USP<731>
Bulk Density	Between (g/100ml) 30-70	56	USP<616>Method I

**CONTAMINANTS**

Lead (Pb)	NMT (ppm) 2.0	0.0368	ICP-MS    USP<730>
Arsenic (As)	NMT (ppm) 2.0	0.0915	ICP-MS    USP<730>
Cadmium (Cd)	NMT (ppm) 1.0	0.0251	ICP-MS    USP<730>
Mercury (Hg)	NMT (ppm) 1.0	0.0041	ICP-MS    USP<730>
Solvent Residue	Meets Requirements	Complies	GC    USP<467>

**MICROBIOLOGICAL**

Total Plate Count	NMT (cfu/g) 10,000	150	USP<2021>
Yeast & Mold	NMT (cfu/g) 1,000	30	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: 25 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