



JHD CORP

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Manufacturer(China): Hongda Industrial District, Xianyang, Shaanxi
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Certificate of Analysis

Liposomal Turmeric Root Extract Curcuminoids 50% HPLC

Batch No.	ZZJH260109	Manufacturing Date	January 9, 2026
Batch Quantity	25KG	Expiration Date	January 8, 2028
Botanical Source	<i>Curcuma longa L.</i>	Country of Origin	China
Appearance	Yellow Powder	Part Used	Root (100% Natural)

Items	Specification	Result	Method
Curcuminoids	NLT 50.0% (on the dried basis)	50.47%	HPLC USP<621>

Physical Characteristics

Particle Size	NLT 95% Through 16~60 mesh	Conform	In-house
Loss on Drying	NMT 5.0%	2.60%	USP <731>
Bulk Density	Report Only	28g/100ml	USP <616> Method I
Tapped Density	Report Only	45g/100ml	USP <616> Method I

Chemical Characteristics

Arsenic (As)	NMT 2ppm	<2ppm	ICP-MS USP <233>
Lead (Pb)	NMT 3ppm	<3ppm	ICP-MS USP <233>
Cadmium (Cd)	NMT 1ppm	<0.3ppm	ICP-MS USP <233>
Mercury (Hg)	NMT 1ppm	<0.3ppm	ICP-MS USP <233>

Microbiological Characteristics

Total Plate Count	NMT 10,000cfu/g	20cfu/g	USP<2021>
Total Yeast & Mold	NMT 1,000cfu/g	<10cfu/g	USP<2021>
Coliform	NMT 10MPN/g	<10MPN/g	USP<2021>
E. Coli	Not Detected in(g) 25	Not Detected	USP<2022>
Salmonella	Not Detected in(g) 25	Not Detected	USP<2022>
Staphylococcus aureus	Not Detected in(g) 25	Not Detected	USP<2022>

Storage Cool & dry area in a sealed container. Away from light. Recommended stored at 2~8°C.

Tested by: *Troy Cui*

Date: January 18, 2026

Approved by: *Jack Joo*

Date: January 18, 2026

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