



JHD CORP

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Office&Warehouse(USA): 35 E Park Dr, Westampton, NJ, 08060

Office(China): Room 1307, Shenglang International, Xi'an, Shaanxi

Manufacturer(China): Hongda Industrial District, Xianyang, Shaanxi

Office&Warehouse(Netherlands): Piet Stuurmanweg 7, 2742 JX Waddinxveen

Certificate of Analysis

Blackcurrant Extract 10:1

Batch No.	HJL260109	Manufacturing Date	January 9, 2026
Batch Quantity	1,000KG	Retest Date	January 8, 2029
Botanical Source	<i>Ribes nigrum L.</i>	Country of Origin	China
Appearance	Purplish Red Fine Powder	Part Used	Fruit (100% Natural)
Solvent Used	Water	Carrier Used	Maltodextrin
Sterilization Method	Heat NON-IRR	GMO Status	NON-GMO

ITEMS	SPECIFICATION	RESULT	METHOD
Ratio	10:1	10:1	Calculation
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Odor	Characteristic	Conform	Organoleptic
Taste	Characteristic	Conform	Organoleptic
Particle Size	NLT 95% Through 80 mesh	Conform	Analytical sieving USP <786>
Loss on Drying	NMT 5.0%	3.50%	USP <731>
Total Ash	NMT 5.0%	3.22%	USP <561>

CHEMICAL CHARACTERISTICS

Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 2ppm	< 1ppm	ICP-MS USP <233>
Lead (Pb)	NMT 2ppm	< 1ppm	ICP-MS USP <233>
Cadmium (Cd)	NMT 1ppm	< 1ppm	ICP-MS USP <233>
Mercury (Hg)	NMT 1ppm	< 1ppm	ICP-MS USP <233>

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT 10,000cfu/g	< 100cfu/g	USP<2021>
Total Yeast & Mold	NMT 1,000cfu/g	< 10cfu/g	USP<2021>
E. Coli	Not Detected in(g) 10	Not Detected	USP<2022>
Salmonella	Not Detected in(g) 10	Not Detected	USP<2022>
Staphylococcus	Not Detected in(g) 10	Not Detected	USP<2022>

Packing and Storage Polyethylene bag with cardboard drum. 25kg net.
Store in tight, light-resistant containers, avoid exposure to direct light, moisture and excessive heat.

Tested by: *Troy Cui* Date: January 18, 2026

Approved by: *Jack Joo* Date: January 18, 2026

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