



Hongda
Phytochemistry

Tel: +86(029)89611711,626-709-5642

Web: www.jhdcorp.com

E-mail: info@jhdcorp.com

Headquarter: 1932 S Lynx Place, Ontario, CA 91761,US

Factory: No.2, Hongda Industrial District, Dacheng, Sanyuan, Xianyang, Shaanxi,China.

USA Warehouse: 1932 S. Lynx PL, Ontario, CA 91761,US

NJ Warehouse: 52 Butler Street, Unit A Elizabeth, NJ 07206

Certificate of Analysis

Dimorphandra Mollis Extract Quercetin Dihydrate 95% HPLC

Batch No.	HPS211210	Manufacturing Date	12/10/2021
Batch Quantity	1000KG	Expiration Date	12/9/2024
Botanical Source	<i>Dimorphandra Mollis</i>	Country of Origin	Brazil
Appearance	Yellow Fine Powder	Carrier Used	None
Solvents Used	Water&Ethanol	GMO Status	NON-GMO
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes No

ITEMS	SPECIFICATION	RESULT	METHOD
Quercetin Dihydrate	≥95%	98.00%	HPLC USP
Identification	Must positive	Positive	HPLC Identification Test

PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	Conform	Analytical sieving USP <786>
Loss on drying	NMT 12.00%	0.98%	USP <921>

CHEMICAL CHARACTERISTICS

Residual Solvent	NMT 5000ppm	Conform	GC USP <467>
Pesticide Residue	Meet the requirements	Conform	GC USP <561>
Heavy Metals(as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 1ppm	<0.04ppm	ICP-MS
Lead (Pb)	NMT 1ppm	<0.04ppm	ICP-MS
Cadmium(Cd)	NMT 0.3ppm	<0.04ppm	ICP-MS
Mercury(Hg)	NMT 0.1ppm	<0.03ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT 10,000cfu/g	Conform	USP<61>
Total Yeast & Mold	NMT 1000cfu/g	Conform	USP<61>
E.Coli	Not Detected in(g) 10	Not Detected	USP<61>
Salmonella	Not Detected in(g) 25	Not Detected	USP<61>
Staphylococcus	Not Detected in(g) 10	Not Detected	USP<61>

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

Tested by: *Tracy Cui*

Date: 12/18/2021

Approved by: *Jack Joa*

Date: 12/18/2021