



**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

### Horny Goat Extract (Epimedium Extract) Flavones 10% UV

<b>Batch No.</b>	YYH210319	<b>Manufacturing Date</b>	03/19/2021
<b>Batch Quantity</b>	1000KG	<b>Expiration Date</b>	03/18/2024
<b>Botanical Source</b>	<i>Epimedium Sagittatum</i>	<b>Country of Origin</b>	China
<b>Appearance</b>	Brown Fine Powder	<b>Part Used</b>	Leaf (100% Natural)
<b>Solvents Used</b>	Water&Ethanol	<b>Carrier Used</b>	Dextrin
<b>Sterilization Method</b>	Heat    NON-IRR	<b>Kosher    Halal</b>	Yes    Yes

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Flavones $\geq$ 10%	10.09%	UV    USP<851>
Identification	Correspond to standard	Conform	TLC    USP<201>

#### PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	99.10%	Analytical sieving    USP <786>
Loss on Drying	NMT 5.00%	2.63%	USP <731>
Total Ash	NMT 5.00%	2.80%	USP <561>
Bulk Density	Between 30-60g/100ml	45.00g/100ml	USP <616> Method I

#### 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 2ppm	0.680ppm	ICP-MS
Lead (Pb)	NMT 2ppm	0.750ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	0.200ppm	ICP-MS
Mercury(Hg)	NMT 0.5ppm	0.040ppm	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10,000cfu/g	1300cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	50cfu/g	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: 03/25/2021

Approved by: *Jack Jia*

Date: 03/25/2021