



**Hongda**  
Phytochemistry

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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

### Vine Tea Extract Dihydromyricetin 98% HPLC

<b>Batch No.</b>	TC-200907	<b>Manufacturing Date</b>	09/07/2020
<b>Batch Quantity</b>	1000KG	<b>Expiration Date</b>	09/06/2023
<b>Botanical Source</b>	<i>Ampelopsis Grossedentata</i>	<b>Country of Origin</b>	China
<b>Appearance</b>	Light yellow to off white Fine Powder	<b>Part Used</b>	Stem & Leaves (100% Natural)
<b>Solvents Used</b>	Water&Ethanol	<b>Carrier Used</b>	None
<b>Sterilization Method</b>	Heat    NON-IRR	<b>Kosher    Halal</b>	Yes    No

<b>ITEMS</b>	<b>SPECIFICATION</b>	<b>RESULT</b>	<b>METHOD</b>
Content	Dihydromyricetin≥98%	98.90%	HPLC    USP<621>
Identification	Correspond to standard	Conform	TLC    USP<201>

#### PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	Conform	Analytical sieving    USP <786>
Loss on Drying	NMT 5.00%	0.45%	USP <731>
Residue on Ignition	NMT 5.00%	0.02%	USP <281>
Loose Density	Between 20-60g/100ml	Conform	USP <786> Method I
Tapped Density	Between 30-80g/100ml	Conform	USP <786> 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	<1ppm	ICP-MS
Lead (Pb)	NMT 2ppm	<1ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	<1ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	<0.5ppm	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10,000cfu/g	<1000cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	<100cfu/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. 15kg net.  
Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Tested by: *Tracy Cui*

Date: 09/16/2020

Approved by: *Jack Joa*

Date: 09/16/2020