



## Certificate of Analysis

### St.John's Wort Extract Hypericins 0.3% UV

<b>Batch No.</b>	GY200610	<b>Manufacturing Date</b>	6/10/2020
<b>Batch Quantity</b>	3000KG	<b>Expiration Date</b>	6/9/2023
<b>Botanical Source</b>	<i>Hypericum perforatum L.</i>	<b>Country of Origin</b>	China
<b>Appearance</b>	Brown Black Fine Powder	<b>Part Used</b>	Aerial parts (100% Natural)
<b>Solvents Used</b>	Water&Ethanol	<b>Extract Ration</b>	10:1
<b>Sterilization Method</b>	Heat    NON-IRR	<b>Kosher    Halal</b>	Yes    Yes

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Hypericins≥0.3%	0.31%	UV    USP<851>
Identification	Correspond to standard	Conform	TLC    USP<201>

#### PHYSICAL CHARACTERISTICS

Odor	Characteristic	Conform	Organoleptic
Particle Size	NLT 95% Through 80 mesh	98.98%	Analytical sieving    USP <786>
Loss on Drying	NMT 8.00%	3.58%	USP <731>
Bulk Density	Between 40-65g/100ml	50g/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	0.130ppm	ICP-MS
Lead (Pb)	NMT 2ppm	0.100ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	0.030ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	0.010ppm	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10000cfu/g	500cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	20cfu/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:** *Troy Cui*    **Date:** 06/18/2020

**Approved by:** *Jack Joo*    **Date:** 06/18/2020