



## Certificate of Analysis

### Bacopa Monniera Extract 10:1 TLC

<b>Batch No.</b>	JMCX210210	<b>Manufacturing Date</b>	02/10/2021
<b>Batch Quantity</b>	1000KG	<b>Expiration Date</b>	02/09/2024
<b>Botanical Source</b>	<i>Bacopa monnieri</i> (Linn.)	<b>Country of Origin</b>	India
<b>Appearance</b>	Greenish Brown Fine Powder	<b>Part Used</b>	Whole plant (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    Yes

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

#### PHYSICAL CHARACTERISTICS

Particle Size	NLT 90% Through 40 mesh	Conform	Analytical sieving    USP <786>
Loss on Drying	NMT 5.00%	1.94%	USP <731>
pH (1% w/v solution )	4-7	4.89	In House Method
GMO State	Non-GMO	Pass	Report
Bulk Density	Between 25-45g/100ml	29.00g/100ml	USP <616> Method I
Untapped Density	Between 30-80g/100ml	44.00g/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	<2ppm	ICP-MS
Lead (Pb)	NMT 2ppm	<2ppm	ICP-MS
Cadmium(Cd)	NMT 0.5ppm	<0.5ppm	ICP-MS
Mercury(Hg)	NMT 0.5ppm	<0.5ppm	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10000cfu/g	1400cfu/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. 25kg net.

Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Tested by: *Troy Cui*

Date: 02/18/2021

Approved by: *Jack Joa*

Date: 02/18/2021