



## Certificate of Analysis

### Rauwolfia Extract Rauwolscine 90% HPLC

<b>Batch No.</b>	LFM-200812	<b>Manufacturing Date</b>	8/12/2020
<b>Batch Quantity</b>	200KG	<b>Expiration Date</b>	8/11/2023
<b>Botanical Source</b>	<i>Rauwolfia vomitoria</i>	<b>Country of Origin</b>	India
<b>Appearance</b>	White to yellow white Fine Powder	<b>Part Used</b>	Root (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

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Rauwolscine≥90%	95.10%	HPLC    USP<621>
Identification	Correspond to standard	Conform	TLC    USP<201>

#### PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	98.90%	Analytical sieving    USP <786>
Loss on Drying	NMT 5.00%	0.27%	USP <731>
Total Ash	NMT 5.00%	0.11%	USP <561>

#### CHEMICAL CHARACTERISTICS

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 1ppm	<0.5ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	<0.3ppm	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT1000cfu/g	600cfu/g	USP<61>
Total Yeast & Mold	NMT100cfu/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: *Tracy Cui* Date: 08/20/2020

Approved by: *Jack Joo* Date: 08/20/2020