



**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

### Polygonum Avicularis Extract 4:1 TLC

<b>Batch No.</b>	BX220215	<b>Manufacturing Date</b>	2/15/2022
<b>Batch Quantity</b>	1000KG	<b>Expiration Date</b>	2/14/2025
<b>Botanical Source</b>	<i>Polygonum Avicularis</i>	<b>Country of Origin</b>	China
<b>Appearance</b>	Brown Yellow Fine Powder	<b>Part Used</b>	Aerial Part (100% Natural)
<b>Solvents Used</b>	Water	<b>Carrier Used</b>	Dextrin
<b>Sterilization Method</b>	Heat    NON-IRR	<b>Kosher    Halal</b>	Yes    No

ITEMS	SPECIFICATION	RESULT	METHOD
Ratio	4:1	4:1	TLC    USP<201>
Identification	Correspond to standard	Conform	TLC    USP<201>

#### PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	100.00%	Analytical sieving    USP <786>
Loss on Drying	NMT 5.00%	2.75%	USP <731>
Bulk Density	Between 40-60g/100ml	48.00g/100ml	USP <616> Method I

#### 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	0.008ppm	ICP-MS
Lead (Pb)	NMT 2ppm	0.007ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	0.001ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	Not Detected	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT 10000cfu/g	300cfu/g	USP<61>
Total Yeast & Mold	NMT 1000cfu/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:** Tracy Cui **Date:** 02/24/2022

**Approved by:** Jack Joa **Date:** 02/24/2022