



**Hongda**  
Phytochemistry

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**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

### Butterfly Pea Powder

<b>Batch No.</b>	HD-201205	<b>Manufacturing Date</b>	12/5/2020
<b>Batch Quantity</b>	2000KG	<b>Expiration Date</b>	12/4/2023
<b>Botanical Source</b>	<i>Clitoria ternatea L.</i>	<b>Country of Origin</b>	China
<b>Appearance</b>	Light Blue Fine Powder	<b>Part Used</b>	Flower (100% Natural)
<b>Sterilization Method</b>	Heat    NON-IRR	<b>Kosher    Halal</b>	Yes    No

ITEMS	SPECIFICATION	RESULT	METHOD
Component	100% Butterfly Pea	100% Butterfly Pea	GC    USP<39>
Identification	Correspond to standard	Conform	TLC    USP<201>

#### PHYSICAL CHARACTERISTICS

Particle Size	NLT 100% Through 80 mesh	100.00%	Analytical sieving    USP <786>
Loss on Drying	NMT 10.00%	2.53%	USP <731>
Total Ash	NMT 10.00%	3.18%	USP <561>
Bulk Density	Between 50-75g/100ml	51.00g/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 1ppm	<1ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	<1ppm	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10,000cfu/g	2000cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	80cfu/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:** 12/12/2020

**Approved by:** *Jack Joa*

**Date:** 12/12/2020