



**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

### Green Tea Extract Epicatechin 90% HPLC

<b>Batch No.</b>	LC-201011	<b>Manufacturing Date</b>	10/11/2020
<b>Batch Quantity</b>	1000KG	<b>Expiration Date</b>	10/10/2023
<b>Botanical Source</b>	<i>Camellia Sinensis</i>	<b>Country of Origin</b>	China
<b>Appearance</b>	Light Milk Yellow to White Fine Power	<b>Part Used</b>	Leaf (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

ITEMS	SPECIFICATION	RESULT	METHOD
Assay	Epicatechin≥90%	90.28%	HPLC
Identification	Correspond to standard	Conform	TLC    USP<201>

#### PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 80 mesh	Conform	Analytical sieving    USP <786>
Loss on Drying	NMT 5.00%	0.50%	USP <731>
Total Ash	NMT 5.00%	0.96%	USP <561>
Solubility	Soluble in water	Conform	Visual

#### 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 1ppm	< 1ppm	ICP-MS
Lead (Pb)	NMT 1ppm	< 1ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	< 1ppm	ICP-MS
Mercury(Hg)	NMT 0.1ppm	< 0.1ppm	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT1000cfu/g	Conform	USP<61>
Total Yeast & Mold	NMT100cfu/g	Conform	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: 10/20/2020

Approved by: *Jack Joa*

Date: 10/20/2020