



**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

### Green Coffee Bean Extract Natural Caffeine 90% HPLC

<b>Batch No.</b>	KFY-201116	<b>Manufacturing Date</b>	11/16/2020
<b>Batch Quantity</b>	1000KG	<b>Expiration Date</b>	11/15/2023
<b>Botanical Source</b>	<i>Coffea robusta</i>	<b>Country of Origin</b>	India
<b>Appearance</b>	White Fine Powder	<b>Part Used</b>	Seed (100% Natural)
<b>Solvents Used</b>	Water&Ethanol	<b>Extraction Ratio</b>	75:1
<b>Sterilization Method</b>	Heat    NON-IRR	<b>Kosher    Halal</b>	Yes    Yes

ITEMS	SPECIFICATION	RESULT	METHOD
Assay	Natural Caffeine≥90%	91.63%	HPLC
Identification	Positive for Caffeine	Conform	HPLC

#### PHYSICAL CHARACTERISTICS

Particle Size	NLT 95% Through 40 mesh	Conform	Analytical sieving    USP <786>
Odour	Odourless	Conform	Sensory
Taste	Bitter	Conform	Sensory
Loss on Drying	NMT 2%	<0.06%	USP <731>
Solubility	Soluble in Water	Conform	In House
Bulk Density	Between 20-80g/100ml	Conform	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	<2ppm	ICP-MS
Lead (Pb)	NMT 2ppm	<2ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	<1ppm	ICP-MS
Mercury(Hg)	NMT 0.1ppm	<0.1ppm	ICP-MS

#### MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT3000cfu/g	<100cfu/g	USP<61>
Total Yeast & Mold	NMT100cfu/g	<10cfu/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: 11/23/2020

Approved by: *Jack Joa* Date: 11/23/2020