



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

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

Residual Solvent	NMT 1ppm	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 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: *Troy Cui*

Date: 11/23/2020

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