Hongda Phytochemistry

Tel: +86(029)89611711,626-709-5642
Web: www.jhdcorp.com **E -mail:**info@jhdcorp.com
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 Eizabeth, NJ 07206

Certificate of Analysis

Green Coffee Bean Extract Natural Caffeine (Anhydrous) 98% HPLC

Batch No.	KFY-210113	**Manufacturing Date**	01/13/2021
Batch Quantity	1000KG	**Expiration Date**	01/12/2024
Botanical Source	*Coffea Arabica L.*	**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**
Caffeine (As is)	NLT 98.5% - 101.0%	98.68%	HPLC
Identification	Correspond to standard	Conform	HPLC || USP<621>
PHYSICAL CHARACTERISTICS			
Particle Size	NLT 100% Through 40 mesh	100.00%	Analytical sieving || USP <786>
Appearance of 1% w/v Solution	Clear, colorless	Clear, colorless	EP
Odour	Odourless	Odourless	Sensory
Taste	Bitter	Bitter	Sensory
Loss on Drying	NMT 0.5%	＜0.5%	USP <731>
Sulphates	＜500ppm	Conform	EP
Bulk Density	Between 20-80g/100ml	31g/100ml	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 3ppm	＜3ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	＜1ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	＜0.1ppm	ICP-MS
MICROBIOLOGICAL CHARACTERISTICS			
Total Plate Count	NMT3000cfu/g	＜10cfu/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:** 01/20/2021 **Approved by:** Jack Jia **Date:** 01/20/2021