



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 Eizabeth, NJ 07206

Certificate of Analysis

Beta-Carotene 10% Powder HPLC

Batch No.	HLB201014	Manufacturing Date	10/14/2020
Batch Quantity	1000KG	Expiration Date	10/13/2022
Appearance	Red to Reddish Brown Free-Flowing Powder	Country of Origin	China
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes No

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Beta-carotene≥10%	10.50%	HPLC
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Particle Size	NLT 90% Through 80 mesh	98.30%	Analytical sieving USP <786>
Loss on Drying	NMT 8.00%	2.90%	USP <731>
Total Ash	NMT 5.00%	2.10%	USP <561>
Bulk Density	Between 40-60g/100ml	44.00g/100ml	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	0.050ppm	ICP-MS
Lead (Pb)	NMT 2ppm	0.050ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	Negative	ICP-MS
Mercury(Hg)	NMT 0.1ppm	Negative	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT1000cfu/g	< 10cfu/g	USP<61>
Total Yeast & Mold	NMT100cfu/g	< 10cfu/g	USP<61>
E.Coli	Negative	Conform	USP<61>
Salmonella	Negative	Conform	USP<61>
Staphylococcus	Negative	Conform	USP<61>

Packing and Storage 1kg/bag, 20kg/package. vacuumed with cardboard drum.
Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Tested by: *Tracy Cui* Date: 10/20/2020

Approved by: *Jack Joa* Date: 10/20/2020