



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

Saw Palmetto Berry Powder Total Fatty Acid 9% GC

Batch No.	JYZ210407	Manufacturing Date	04/07/2021
Batch Quantity	1000KG	Expiration Date	04/06/2024
Botanical Source	<i>Serenoa repens</i>	Country of Origin	China
Appearance	Brown red Fine Powder	Part Used	Fruit (100% Natural)
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes No

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Total Fatty Acid \geq 9%	12.90%	GC USP<39>
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Particle Size	NLT 100% Through 40 mesh	100.00%	Analytical sieving USP <786>
Loss on Drying	NMT 10.00%	4.52%	USP <731>
Acid Insoluble Ash	NMT 10.00%	1.67%	USP <561>
Bulk Density	Between 50-75g/100ml	50.00g/100ml	USP <616> Method I

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 2ppm	<2ppm	ICP-MS
Lead (Pb)	NMT 2ppm	<2ppm	ICP-MS
Cadmium(Cd)	NMT 1ppm	<1ppm	ICP-MS
Mercury(Hg)	NMT 1ppm	<0.5ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT10,000cfu/g	1800cfu/g	USP<61>
Total Yeast & Mold	NMT1000cfu/g	<100cfu/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: 04/16/2021

Approved by: *Jack Joa*

Date: 04/16/2021