



Hongda
Phytochemistry

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NJ Warehouse: 52 Butler Street, Unit A Elizabeth, NJ 07206

Certificate of Analysis

Sesame Seed Extract Sesamin 70% HPLC

Batch No.	ZMS-211013	Manufacturing Date	10/13/2021
Batch Quantity	1000KG	Expiration Date	10/12/2024
Botanical Source	<i>Sesamum indicum L.</i>	Country of Origin	China
Appearance	White Crystalline Powder	Part Used	Seed (100% Natural)
Solvents Used	Water&Ethanol	Carrier Used	None
Sterilization Method	Heat NON-IRR	Kosher Halal	Yes No

ITEMS	SPECIFICATION	RESULT	METHOD
Content	Sesamin \geq 70%	70.24%	HPLC USP<621>
Identification	Correspond to standard	Conform	TLC USP<201>

PHYSICAL CHARACTERISTICS

Odor	Characteristic	Conform	Organoleptic
Particle Size	NLT 95% Through 60 mesh	Conform	Analytical sieving USP <786>
Loss on Drying	NMT 0.50%	0.83%	USP <731>
Residue on Ignition	NMT 0.50%	0.03%	USP <561>

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 1ppm	<0.10ppm	ICP-MS
Lead (Pb)	NMT 1ppm	<0.10ppm	ICP-MS
Cadmium(Cd)	NMT 0.5ppm	<0.01ppm	ICP-MS
Mercury(Hg)	NMT 0.5ppm	<0.01ppm	ICP-MS

MICROBIOLOGICAL CHARACTERISTICS

Total Plate Count	NMT 1000cfu/g	100cfu/g	USP<61>
Total Yeast & Mold	NMT 100cfu/g	10cfu/g	USP<61>
Total Coliforms	NMT 10cfu/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>
Aflatoxins	NMT 20 ppb	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: 10/31/2021

Approved by: *Jack Joa* Date: 10/31/2021