

CERTIFICATION OF ANALYSIS

Product Name: Sesame Extract (Sesamin 10%)

Batch No.: YOUTH2024052611	Country of Origin: P. R. China
Botanical Source: <i>Sesamum indicum</i> L.	Plant Parts: Seeds
Excipient: Microcrystalline Cellulose	Excipient Ratio: 85% - 88%
Manufacture Date: May,26,2024	Expired Date: May,26,2024
Non-Irradiated/Non-ETO/Treat by Heat Only	Solvents: Ethanol and Water

Analysis Item	Specification	Result	Method
Sesamin	≥ 10.0%	10.07%	HPLC
Appearance	Off white powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Identification	Positive	Complies	TLC
Powder Size	≥ 95% through 60 mesh	Complies	USP #60 Sieve
Loss on Drying	≤ 5.0%	1.11%	USP-NF<731>
Residue on Ignition	≤ 0.5%	0.19%	USP-NF<281>
Residual Ethanol	≤ 5,000 µg/g	1.4x10 ² µg/g	USP-NF<467>
Pesticide Residues	USP<561>	Complies	USP-NF<561>
Aflatoxin B1	≤ 2 µg/kg	ND(< 0.5 µg/kg)	USP-NF<561>
Aflatoxins (B1,B2,G1,G2)	≤ 4 µg/kg	ND(< 0.5 µg/kg)	USP-NF<561>
Total Heavy Metals	≤ 10 µg/g	Complies	USP-NF<231>
Arsenic (As)	≤ 1.0 µg/g	ND (< 0.1 µg/g)	ICP-MS
Cadmium (Cd)	≤ 0.5 µg/g	ND (< 0.01 µg/g)	ICP-MS
Lead (Pb)	≤ 1.0 µg/g	ND (< 0.1 µg/g)	ICP-MS
Mercury (Hg)	≤ 0.1 µg/g	ND (< 0.01 µg/g)	ICP-MS
Total Plate Count	≤ 1,000 cfu/g	5 cfu/g	USP-NF<2021>
Molds and Yeasts	≤ 100 cfu/g	30 cfu/g	USP-NF<2021>
Salmonella	Absence/10g	Complies	USP-NF<2022>
E. Coli	Absence/10g	Complies	USP-NF<2022>
Staphylococcus aureus	Absence/10g	Complies	USP-NF<2022>

Packing: 25 kg/drum, packing in paper-drums and two sealed plastic-bags inside.

Storage: Store in a well-closed container away from moisture, direct light and heat.

Expired date: Re-test after two years from the manufacturing date.

Conclusion: Conform to Specification.

Analyst: Guo Shan

