



# Shaanxi New Things Biotech Co.,Ltd

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## Certificate of Analysis

Product Name	Sesame Seed Extract (Sesamin 10%)	Latin Name	<i>Sesamum indicum</i> L.
Batch No.	NT20250815	Package	Drum
Test Date	2025-08-18	Quantity	1000 kg
Manufacturing Date	2025-08-15	Expiry Date	2027-08-14
<b>Items</b>	<b>Standards</b>	<b>Results</b>	<b>Method</b>
<b>Physical Analysis</b>			
Sesamin	≥10%	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%	1.1%	USP42-NF37<731>
Residue on Ignition	≤ 5.0%	0.19%	USP42-NF37<281>
Residual Ethanol	≤5,000 µg/g	1.4x10 <sup>2</sup> µg/g	USP42-NF37<467>
Pesticide Residues	USP<561>	Complies	USP42-NF37<561>
<b>Chemical</b>			
Heavy Metal	≤ 10 µg/g	Complies	USP42-NF37<231>
Cd	≤ 0.5 µg/g	ND (< 0.01 µg/g)	ICP-MS
Pb	≤ 1.0 µg/g	ND (< 0.1 µg/g)	ICP-MS
Hg	≤ 0.5 µg/g	ND (< 0.01 µg/g)	ICP-MS
As	≤ 1.0 µg/g	ND (< 0.1 µg/g)	ICP-MS
<b>Microbiological Analysis</b>			
Total Plate Count	≤ 1,000 cfu/g	5 cfu/g	USP42-NF37<2021>
Molds and Yeasts	≤ 100 cfu/g	30 cfu/g	USP42-NF37<2021>
Salmonella	Absence/10g	Complies	USP42-NF37<2022>
E. Coli	Absence/10g	Complies	USP42-NF37<2022>
Staphylococcus aureus	Absence/10g	Complies	USP42-NF37<2022>
Aflatoxins	≤ 20 µg/kg	ND	USP42-NF37<561>
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.			

QA: Peng Peng

QC:Guo Shan