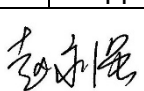


Specification Sheet

Sesamin Seed Extract (Sesamin 30% and Sesamol 10%)

Item No.:	SS010	
Country of Origin:	P. R. China	
Botanic Name:	<i>Sesamum indicum</i> L.	
Plant Parts:	Seeds	
Excipient:	Microcrystalline Cellulose	
Sterilization:	Non-Irradiated/Non-ETO/Treat by Heat only	
Test		
Specification		
Method		
Identification		
Sesamin	≥ 30.0%	HPLC
Sesamol	≥ 10.0%	HPLC
Physical/Chemical		
Identification	Positive	TLC
Appearance	Off white powder	Visual
Odor	Characteristic	Organoleptic
Powder Size (USP)	≥ 95% through 60 mesh	USP #60 Sieve
Bulk Density	0.30 – 0.60 g/mL	USP40-NF35<616>
Tapped Density	0.60 – 0.80 g/mL	USP40-NF35<616>
Loss on Drying	≤ 5.0%	USP40-NF35<731>
Residue on Ignition	≤ 0.5%	USP40-NF35<281>
Residual Solvents	USP<467>	USP40-NF35<467>
Pesticide Residues	USP<561>	USP40-NF35<561>
Heavy Metals		
Total Heavy Metals	≤ 10 µg/g	USP40-NF35<231>
Arsenic (As)	≤ 1.0 µg/g	ICP-MS
Cadmium (Cd)	≤ 0.5 µg/g	ICP-MS
Lead (Pb)	≤ 1.0 µg/g	ICP-MS
Mercury (Hg)	≤ 0.5 µg/g	ICP-MS
Microbiology		
Total Plate Count	≤ 1,000 cfu/g	USP40-NF35<2021>
Molds and Yeasts	≤ 100 cfu/g	USP40-NF35<2021>
Total Coliforms	≤ 10 cfu/g	USP40-NF35<2021>
<i>Salmonella</i>	Absence	USP40-NF35<2022>
<i>E. Coli</i>	Absence	USP40-NF35<2022>
<i>Staphylococcus aureus</i>	Absence	USP40-NF35<2022>
Aflatoxins	20 ppb	USP40-NF35<561>
<p>Quality Approved By: </p> <p style="text-align: right;">Issued Date: 01-01-2018</p>		