



CERTIFICATE OF ANALYSIS

Product Name	Ginger Extract Gingerols 5% HPLC	Batch No.	SJ20250715
Tested by / Date	July 24, 2025	Manufacturing Date	July 15, 2025
Botanical Source	Zingiber officinale Roscoe	Expiration Date	July 14, 2027
Approved by / Date	July 24, 2025	Appearance	Light Yellow Powder
Part Used	Root (100% Natural)	Solvents Used	Water&Ethanol
Carrier Used	Maltodextrin	Sterilization Method	Heat NON-IRR
Kosher	Yes	Halal	Yes

Items	Specification	Result	Method
Total Gingerols	NLT 5.0%	5.15%	HPLC USP<621>
Identification	Correspond to standard	Conform	TLC USP<201>
Physical Characteristics			
Odor	Characteristic	Conform	Organoleptic
Taste	Characteristic	Conform	Organoleptic
Particle Size	NLT 95% Through 80 mesh	Conform	Analytical sieving USP <786>
Loss on Drying	NMT 5.00%	3.30%	USP <731>
Total Ash	NMT 5.00%	2.15%	USP <561>
Bulk Density	Between 30~70g/100ml	40.29g/100ml	USP <616> Method I
Tapped Density	Between 50~90g/100ml	64.46g/100ml	USP <616> Method I
Chemical Characteristics			
Heavy Metals (as Pb)	NMT 10ppm	Conform	USP <231> Method II
Arsenic (As)	NMT 2ppm	0.0860ppm	ICP-MS USP <233>
Lead (Pb)	NMT 2ppm	0.4421ppm	ICP-MS USP <233>
Cadmium (Cd)	NMT 1ppm	0.0390ppm	ICP-MS USP <233>
Mercury (Hg)	NMT 1ppm	0.0015ppm	ICP-MS USP <233>
Microbiological Characteristics			
Total Plate Count	NMT 10,000cfu/g	300cfu/g	USP<61>
Total Yeast & Mold	NMT 1,000cfu/g	< 10cfu/g	USP<61>
E. Coli	Not Detected in(g) 10	Not Detected	USP<62>
Salmonella	Not Detected in(g) 25	Not Detected	USP<62>
Staphylococcus	Not Detected in(g) 10	Not Detected	USP<62>