



CERTIFICATE OF ANALYSIS

Product Name	Ceramide NP	Batch No.	JL20240514
Cas	100403-19-8	MF Date	MAY.14,2024
Packing	1KG/BAG	Analysis Date	MAY.14,2024
Quantity	500kg	Expiry Date	MAY.13,2027
ITEM	STANDARD		RESULT
Appearance	White to off-white powder		Off-white powder
Melting point	98-108°C		103.1-104.2°C
Identification	HPLC Conforms		Conforms
Loss of drying	NMT 2.0% ≤2.0%		0.6%
Heavy metals	NMT 20ppm <20ppm		Conforms
Residue on ignition	NMT 0.5% ≤0.5%		0.02%
Total aerobic bacteria	NMT 1000CFU/g ≤1000CFU/g		≤10CFU/g
Yeast &Mold	NMT 100CFU/g ≤100CFU/g		<10CFU/g
Residual Solvents	Menthol	NMT3000ppm ≤3000ppm	ND
	Ethyl oleate	NMT2000ppm <2000ppm	ND
Purity	A:NLT 85.0% ≥85.0%		89.5%
	A+B+C+D:NLT 95% ≥95.0%		96.5%
Assay (HPLC-UV)	A:NLT 85.0% ≥85.0%		89.4%
	NLT 95.0%(A+B+C+D) ≥95.0%(A+B+C+D)		96.3%
Conclusion	Qualified		



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