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CERTIFICATE OF ANALYSIS

Product Name	Retinol	Specification	Company Standard
CAS No.	68-26-8	Manufacture Date	2024.6.3
Quantity	100KG	Analysis Date	2024.6.10
Batch No.	ES-240603	Expiry Date	2026.6.2
Items	Specifications		Results
Appearance	Yellow powder		Complies
Assay(%)	98.0%~101.0%		98.8%
Specific Optical Rotation $[\alpha]_D^{20}$	-16.0°~18.5°		-16.1°
Moisture(%)	≤1.0		0.25
Ash,%	≤0.1		0.09
Residue Analysis			
Total Heavy Metal	≤10ppm		Complies
Lead (Pb)	≤2.00ppm		Complies
Arsenic (As)	≤2.00ppm		Complies
Cadmium (Cd)	≤1.00ppm		Complies
Mercury (Hg)	≤0.5ppm		Complies
Microbiological Test			
Total Plate Count	<1000cfu/g		Complies
Yeast & Mold	<50cfu/g		Complies
E.Coli	Negative		Negative
Salmonella	Negative		Negative
Package	Packed in plastic bag inside and aluminum foil bag outside.		
Storage	Store in a cool and dry place, keep away from strong light and heat.		
Shelf life	Two years when properly stored.		
Conclusion	Sample Qualified.		

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