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CERTIFICATE OF ANALYSIS

Product Name	1-Octadecanol	Specification	Company Standard
CAS No.	112-92-5	Manufacture Date	2024.3.17
Quantity	300KG	Analysis Date	2024.3.24
Batch No.	ES-240317	Expiry Date	2026.3.16
Items	Specifications	Results	
Assay	≥98%	99%	
Appearance	White flakes or particles	Complies	
Odor	Characteristic	Complies	
Color Apha, Hazen	10 max	2	
Moisture	0.10% max	0.01%	
Acide Value(mg KOH/g)	0.03 max	0.01	
Carbonyl Value(mg KOH/g)	100 max	10	
Saponification Value (mg KOH/g)	0.5 max	0.2	
Iodine Value	0.8 max	0.0	
Melting Point	58-60°C	60°C	
Hydroxyl Value (mg KOH/g)	200-210	207	
Hydrocarbon	0.5% max	0.0%	
C16(1-Hexadecanol)	0.5% max	0.1%	
C18(1-Octadecanol)	99% min	99.7%	
C20(1-Eicosanol)	0.5% max	0.0%	
Microbiological Test			
Total Plate Count	<1000cfu/g	Complies	
Yeast & Mold	<100cfu/g	Complies	
E.Coli	Negative	Complies	
Salmonella	Negative	Complies	
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.		

Analyst: Jiayan Yang

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