

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Stearyl Alcohol
2. Alternate Names	Octadecanol, Octadecyl Alcohol
3. CAS Number	112-92-5
4. Formula	$C_{18}H_{38}O$
5. Mol Weight	270.50
6. Batch No & Mfg. Date	As mentioned on Label
7. Date Of Exp	3 Years From MFG Date
8. Date of Analysis	Nov-2024

Sr. No.	Characteristic	Specifications	Results
1	General Appearance @ 25°C	White pastilles or flakes	Pass
2	Iodine Value	2.0 MAX	0.11
3	Acid Value	2.0 MAX	0.11
4	Saponification Value	2.0 MAX	0.11
5	Hydroxyl Value	195.0–220.0	206.29
6	% Moisture (KF)	0.5% MAX	0.02%
7	Color (APHA)	40 MAX	<40.0
8	Melting Point	55.0–60.0°C	58
Carbon Chain Distribution by GLC, %			
9	C14 & Lower	0.5% MAX	0.00%
10	C16	2.5% MAX	0.13%
11	C18	90.0-102.0%	99.55%
12	C20 & Higher	3.0 MAX	0.3