

Certificate of Analysis

Product Name: Cetearyl Alcohol 30/70 NF
INCI Name: Cetearyl Alcohol
CAS Number: 8005-44-5; 67762-27-0
Expiry Date: Jan 2025
Lot #: 35A67816359

Sr. No.	Analysis Parameters	Specification	Typical Results	Test ref. no.
1	Appearance (at 25°C)	White Solid	White Pastilles	Visual
2	Colour (APHA Units)	10 Max.	5	AOCS Ea-9-65
3	Acid Value, mg of KOH / gm	0.1 Max.	0.019	AOCS Te 2a-64
4	Saponification Value, mg of KOH / gm	0.5 Max.	0.19	AOCS TI -1a 64
5	Iodine Value, gms of I ₂ / 100 gms	0.3 Max.	0.18	AOCS Tg 1-64
6	Hydroxyl Value, mg of KOH / gm	210-220	213.55	AOCS Cd 13-60
7	Moisture, % by wt.	0.2 Max.	0.099	AOCS Tb 2-64
8	Melting range (°C)	50-54	52.5-53.5	AOCS Cc-1-25
9	Carbon Chain Distribution (% by GLC)			STM:3.010
	C12 alcohol	0.5 Max.	0.0	
	C14 alcohol	1.5 Max.	0.08	
	C16 alcohol	29-33	31.03	
	C18 alcohol	65 Min.	67.26	
	C20 alcohol	1.0 Max.	0.60	
	C22 alcohol	1.0 Max.	0.11	
10	Hydrocarbons,% by GLC	0.5 Max.	0.17	

Remarks: Batch conforms to the specifications and is passed. Material also conforms to the USP42/NF37. Specifications including residual solvent as per <467> NF37.

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