

Certificate of Analysis

Date: September 16, 2022

Product: Cetearyl Alcohol

Lot/Batch Number: CTRL220321

Retest Date: N/A

Manufacture Date: September, 2020

Commercial Expiry: September, 2023

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance @ 25°C	White Pastilles / Flakes	White Pastilles
Colour APHA	10 MAX	4
Acid Value mg of KOH/gm	0.1 MAX	0.022
Saponification Value mg of KOH/gm	0.5 MAX	0.22
Iodine Value gms of I ₂ /100gms	0.3 MAX	0.18
Hydroxyl Value mg of KOH/gm	210 – 220	213.1
Moisture % by wt	0.2 MAX	0.11
Melting Range °C	50 – 54	52.5 – 53.5
Carbon Chain Distribution % by GLC		
C12 alcohol	0.5 MAX	0.02
C14 alcohol	1.5 MAX	0.03
C16 alcohol	29 – 33	31.45
C18 alcohol	65 MIN	67.45
C20 alcohol	1.0 MAX	0.41

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C22 alcohol	1.0 MAX	0.00
Hydrocarbons	0.5 MAX	0.18

Storage and Handling: Shelf life is dependent on exposure to light/air and general good conditions. Products stored in adverse conditions will deteriorate faster. Products stored in ideal conditions away from light and moisture may last substantially longer. Retest date reflects absolute minimum period of time that product should remain in good useable condition.

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