

Certificate of Analysis

Product	Lipocol SC Pastilles		
INCI Name	Cetearyl Alcohol		
Lot Number	E22053016		
Date Issued	2022-12-22		
Manufactured	2022-05-07	Expiration	2024-05-07

Specification	Spec Range	Result
General Appearance (@ 25°C)	White to Off-White Pastilles	Pass
Odor	Characteristic	Pass
Acid Value	2.0 Maximum	0.02
Hydroxyl Value	205.0 - 220.0	214.8
Moisture, % (KF)	0.30 Maximum	0.15
Iodine Value	4.0 Maximum	0.11
Saponification Value	2.0 Maximum	0.12
Melting Point (°C)	48.0 - 55.0	52.2
Color (APHA)	50.0 Maximum	5.0
C12, %	2.0 Maximum	0.0
C14, %	7.0 Maximum	0.0
C16, %	25.0 - 35.0	33.7
C18, %	60.0 - 67.0	66.1
C20, %	2.0 Maximum	0.2
C22, %	1.0 Maximum	0.0



Quality Assurance Manager:



Renzo Cardenas
QC Chemist
Vantage Specialty Ingredients, Inc.