



CERTIFICATE OF ANALYSIS
CO-1695 CETYL ALCOHOL NF PASTILLES

For excipient use only

Customer:	Tilley Chemical Co.	Invoice #:	BL-422844 SO-A0020367
Attention, if applicable:		Customer P.O. #:	121488
Dept., if applicable:		Customer Code:	CET050
Ship to Address:	501 Chesapeake Park Plaza	Lot #:	PN00F122154
City, State, Zip:	Baltimore, MD 21220	Derived:	Vegetable
Manufacturer:	Procter & Gamble	Packaging Date:	06/03/2022
Manufacture Date:	06/03/2022	Incoming Lot Number(s):	LHP70348-624781
Expiration Date:	06/03/2025	Country of Origin	USA

Method	Method #	Units	Specification	Result
Appearance	PCNA028	N/A	White solid, clear when melted, no extraneous matter	Pass
Moisture	PCNA100	%	0.10 max	0.06
Color, APHA	PCNA090	Pt-Co	25 max	4
Melting Point	PCNA035	°C	47 - 50	49
Acid Value	PCNA039	mg KOH/g Sample	0.5 max	0.1
Iodine Value	PCNA070	cg I/g sample	1.00 max	0.07
Sap Value	PCNA050	mg KOH/g Sample	1.0 max	0.2
Residue On Ignition	PCNA082	%	0.1 max	0.0
Hydroxyl Value	Calculated	mg KOH/g Sample	220 - 235	231
Chainlength Distribution by GC				
Identification A by GC	PCNA011	N/A	Pass – as Cetyl Alcohol	Pass
C14 & Lower	PCNA011	%	2.5 max	0.0
C16	PCNA011	%	95.0 min	97.1
C18	PCNA011	%	4 max	3
Hydrocarbon	PCNA011	%	1.0 max	0.0
Unspecified Impurities	PCNA011	%	1 max	0
Total Related Alcohols and Unspecified Impurities	PCNA011	%	10.0 max	2.9

Alex Guenther AMG
06/30/22

[Signature]
06/30/22

07/01/2022
Date

Peter Cremer North America, Cincinnati, OH
Plant

QC Laboratory Analyst: Alex Guenther

This analysis is not to be construed as a warranty. Customer is responsible to verify the lot and code numbers of product received with the numbers contained on this report and perform any other analyses necessary to determine suitability of the product described above for the use intended by the customer. No representations as to FDA regulated use are made for this product unless it is designated as meeting either USP, NF, Cosmetic grade or Food Grade Status.