

PALM-OLEO (KLANG) SDN. BHD. (435832-T)

Lot 1 & 2 Solok Waja 3, Bukit Raja Industrial Estate,

41050 Klang, Selangor Darul Ehsan, Malaysia.

Sales Office : 603-7809 8833 Fax : 603-7727 1301/1307

Manufacturing : 603-3341 2115 Fax : 603-3342 7877



## CERTIFICATE OF ANALYSIS

CUSTOMER NAME :  
PRODUCT : PALMESTER 1514 ISOPROPYL MYRISTATE  
DATE OF CERTIFICATE : 05-JUNE-2023  
OUR SALES ORDER : 2000292309-0  
BATCH NUMBER/ LOT NUMBER : 1Y1113E  
QUANTITY : 5.040 MT  
MANUFACTURING DATE/ PRODUCTION DATE : 02-FEBRUARY-2023  
RECOMMENDED RETEST DATE/ EXPIRY DATE : 01-FEBRUARY-2025  
CUSTOMER PO NUMBER : 1016295

We certify, that we have examined a sample of the above mentioned goods with the following results :

<u>Test Description</u>	<u>Unit</u>	<u>Reference Test Method</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>
Acid Value	mg KOH/g	USP		1.0	0.1
Iodine Value	g/100g	USP		1.0	0.1
Cloud Point	°C	ASTM D2500-81		0	-1
Colour APHA	HAZEN	ASTM D1209-84		30	7
Moisture	%	EP/ASTM D1744-92		0.1	0.0
C14-Ester	%	In-house method	90.0		99.4
Saponification Value	mg KOH/g	ASTM D5558-95	202	212	209
Identification		USP	Pass		Pass
Organic Volatile Impurity		In-house method	Pass		Pass
Specific Gravity @25 °C	-	USP	0.846	0.854	0.853
Residue on Ignition	%	USP		0.1	0.0
Refractive Index N20/D	-	USP	1.432	1.436	1.435
European Pharmacopeia Monograph		EP	Pass		Pass
* Dynamic Viscosity at 20°C	mPa.s	EP	5	6	5

\* Parameter is not tested on every batch and result is determined statistically

Recommended retest date/expiry date is only valid for product in its original and unopened package.

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