

# Natural Oleochemicals Sdn Bhd (150005-U)

SST No: J31-1808-21003076



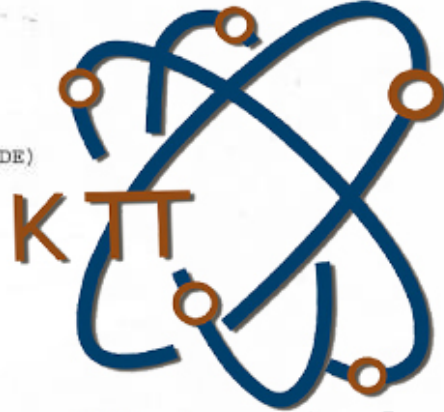
LAB REF NO: GD20-0124

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## CERTIFICATE OF ANALYSIS

DATE : 26/03/2021

LAB REQUEST ID 510000192604  
VESSEL  
B/L NO & DATE  
PRODUCT REFINED GLYCERINE 99.7% (USP GRADE)  
QUANTITY, MTS 100.00 MTS OR 400 DRUMS  
CONTAINER & SEAL NC



[www.kttchemical.com](http://www.kttchemical.com)

MANUFACTURING DATE MARCH 2021  
BEST BEFORE MARCH 2023  
LOT NO G210309-2N

Parameter Name	Unit	Result	Specification	Test Method
Assay	%	99.9	99.0 - 101.0	USP 42
Chloride	ppm	<10	10 Max	USP 42
Chlorinated Compound	ppm	<30	30 Max	USP 42
Color	ml FeCl <sub>3</sub> /50ml	<0.4	0.40 Max	USP 42
Fatty Acid & Esters	ml of 0.5N NaOH	0.3	1.0 MAX	USP 42
Identification A (IR)	-	CONFORM	Conform	USP 42
Identification C (GC)	-	CONFORM	Conform	USP 42
Residue on Ignition	%	<0.01	0.01 Max	USP 42
Specific Gravity (25/25)	-	1.2617	1.2490 MIN	USP 42
Sulphate	ppm	<20	20 Max	USP 42
Water	%	0.05	5.00 MAX	USP 42
Diethylene Glycol	%	<0.1	0.10 Max	USP 42
Ethylene Glycol	%	<0.1	0.10 Max	USP 42
Individual Impurities	%	<0.1	0.1 Max	USP 42
Total Impurities	%	<1.0	1.0 Max	USP 42
Appearance	-	TRANSPARE	Transparent	Visual
Heavy Metal	ppm	<5	5 Max	ICPMS

NOTE: \*BEST BEFORE\* applies for goods with proper storage condition e.g.:

- i) Stored in cool (approx. 30°C) & dry place
- ii) In its original unopened packing

MANUFACTURER - NATURAL OLEOCHEMICALS SDN BHD

CLEARED BY: ATIKAH - CHEMIST

DATE: 11.03.2021

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