

Pacific Oleochemicals Sdn Bhd (64175-U)

Plo 285, JalanPekeliling Timur PO Box 143, 81707 Pasir Gudang Johor Darul Takzim, Malaysia TEL +60-7-251 8000 FAX +60-7-251 1066

EMAIL poc@pacificoleo.com

2 MARCH 2022

OUR REF:

D064165

CERTIFICATE OF ANALYSIS

PRODUCT

KORTACID REFINED GLYCERINE 99.7% MIN

QUANTITY

100,000 KGS

CONTRACT NO.

: CE37691

YOUR ORDER NO.

460603149

VESSEL

YM HARMONY V.350S

ETD

26/02/2022

MANUFACTURING DATE

11, 12 & 13 FEBRUARY 2022

RE-TEST DATE

: 10, 11 & 12 FEBRUARY 2024

MARKING

BATCH NO: 515D1220211A / 515D1220211B / 515D1220212A

515D1220212B / 515D1220213A

	BATCH NO: SPECIFICATION	515D1220211A 20,000 KGS	515D1220211B 20,000 KGS	515D1220212A 20,000 KGS
ANALYSIS RESULT	2-4			
ASSAY, %	99.7MIN	99.8	99.8	99.8
COLOR, (APHA)	20MAX	<5	<5	<5
SPECIFIC GRAVITY (25/25DEGREE C)	1.249MIN	1.2616	1.2616	1.2616
CHLORINATED COMPOUNDS (AS CI) ppm	30MAX	<30	<30	<30
CHLORIDES, ppm	10MAX	<10	<10	<10
FATTY ACIDS & ESTERS (ml OF 0.5N NaOII)	1.0MAX	0.34	0.34	0.34
HEAVY METALS (as Pb), ppm	5MAX	<0.02ND	<0.02ND	<0.02ND
SULPHATES ppm	20MAX	<20	<20	<20
WATER %	0.3MAX	0.1	0.1	1.0
RESIDUE ON IGNITION %	0.01MAX	<0.01	< 0.01	< 0.01

MANUFACTURER-PACIFIC OLEOCHEMICALS SDN BHD

ASMIRA NOR BTE ABDUL RAZAK - CHEMIST

(This is a computer generated document and will not bear any signature)

Page 1 of 2 The following steps should be taken to ensure product quality will not be affected during discharge and storage,

a) Use clean and stainless steel discharge line to discharge product.

b) For solid/semi solid product, the melting process should be controlled at condition which heating rate is NOT exceeding 1-2°C/hour or low pressure steam 1-2bar to prevent localised over heating,

c) Product shelf life is not applicable once product is discharged from original receptacle. Packed product must be stored in proper ventilated closed www.pacificoleo.com Fatty Acid (C6/C8/C10) colour is reported at the time of shipment, Color will increase over the time.



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	BATCH NO: SPECIFICATION	515D1220212B 20,000 KGS	515D1220213A 20,000 KGS
ANALYSIS RESULT			
ASSAY, %	99.7MIN	99.8	99.8
COLOR, (APHA)	20MAX	<5	<5
SPECIFIC GRAVITY (25/25DEGREE C)	1.249MIN	1,2616	1.2616
CHLORINATED COMPOUNDS (AS CI) ppm	30MAX	<30	<30
CHLORIDES, ppm	10MAX	<10	<10
FATTY ACIDS & ESTERS (ml OF 0.5N NaOH)	1.0MAX	0.34	0.31
HEAVY METALS (as Pb), ppm	5MAX	<0.02ND	<0.02ND
SULPHATES ppm	20MAX	<20	<20
WATER %	0.3MAX	0.1	0.1
RESIDUE ON IGNITION %	0.01MAX	< 0.01	< 0.01
ND=NOT DETECTED			

ND=NOT DETECTED

"TEST ACCORDING AS PER USP METHOD"

MANUFACTURER- PACIFIC OLEOCHEMICALS SDN BHD

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