Edenor Oleochemicals (M) Sdn. Bhd. 198001009328 (63112-D) (Formerly known as Emery Oleochemicals (M) Sdn. Bhd.)



Ship-To: Halonas Chemicals (M) Sdn Bhd 50450 KUALA LUMPUR MALAYSIA

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CERTIFICATE OF ANALYSIS

Page 1 of 1

PRODUCT OUR CONTRACT NO. PURCHASE ORDER NO. DATE
BATCH NUMBER
DELIVERY NO
DATE OF SHIPMENT
SAMPLE DETAILS

EMERCOL® C16-18 30:70 MY PS 380772 PO-00101 Dec 14 2022 M122327010 80527273

Nov 28 2022

AMPLE DETAILS	:	Representative sample of bag

TEST	RESULT	SPEC	REF.METHOD
Acid value (mgKOH/g)	0.01	<= 0.10	ISO 660 (Part 5):1996
lodine value gl2/100g	0.01	<= 0.50	AOCS Tg 1-64:2017
Saponification value (mgKOH/g)	0.07	<= 1.00	AOCS TI 1a-64:2017
Hydroxyl value (mgKOH/g)	216.0	210.0 -220.0	AOCS Cd 13-60:2017
Water (Karl Ficher) %	0.12	<= 0.30	ISO 760 (Part 7):1978
Solidification Point °C	53.0	50.0 -54.0	ISO 3841:1977
Carbon Chain Distribution by GC,%			
C14 & below	0.2	<= 3.0	EM QCA006:2011
C16	27.0	22.0 -32.0	EM QCA006:2011
C18	72.1	66.0 -76.0	EM QCA006:2011
C20	0.0	<= 3.0	EM QCA006:2011
DATE OF MANUFACTURE	Nov 23 2022	2	
BEST BEFORE	Nov 21 2024		

We hereby certify the analysis of the sample as shown above.

BATCH QTY: 560 BGS

HAMIZAH AMMARAH QA/QC SR.CHEMIST M.SC.(UKM) M.M.I.C M/4885/7573/16/18 Edenor Oleochemicals Laboratory

SAMM: Laboratory Accreditation Scheme of Malaysia

*Test conducted every 3 month(s).



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