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LABORATORY LOCATION/ CENTRAL OFFICE:	Edenor Specialties Laboratory, Edenor Oleochemicals Specialties (M) Sdn. Bhd. Lot 1, Jalan Perak, Kawasan Perusahaan, 42500 Telok Panglima Garang, Selangor. , 42500, SELANGOR MALAYSIA
	
ACCREDITED SINCE :	06 APRIL 2025
FIELD(S) OF TESTING:	CHEMICAL

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Edenor Specialties Laboratory, Edenor Oleochemicals Specialties (M) Sdn. Bhd. Lot 1, Jalan Perak, Kawasan Perusahaan, 42500 Telok Panglima Garang, Selangor. , 42500, Selangor
FIELD(S) OF TESTING :	CHEMICAL,

SCOPE OF TESTING : CHEMICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
<u>Finished Products Only</u> Fatty Acid And Related Product	Acid Value	AOCS Te 1a-64: In-house EM QCA001 based on AOCS Te 1a-64: / ISO 660 (Part 5)
	Colour of Clear Liquids (Pt-Co scale) or (Colour APHA)	ASTM D 1209: In-house EM QCA002 based on ASTM D 1209
	Colour (Gardner)	AOCS Td 1a-64: In-house EM QCA003 based onAOCS Td 1a-64
	Colour (Lov. 5 ¼" or 1")	AOCS Cc 13e-92: In-house EM QCA005 based onAOCS Cc 13e-92

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Colour after Heating	AOCS Td 3a-64: In-house EM QCA004 based on AOCS Td 3a-64
	Fatty Acids Composition by GC(or Chain Distribution)	ISO 5508 In-house EM QCA006 based on ISO 5508
	Iodine Value	AOCS Tg 1a-64: In-house EM QCA009 based on AOCS Tg 1a-64
	Preparation of Methyl-esters of Fatty Acids	ISO 5509: In-house EM QCA007 based on ISO 5509
	Saponification Value	AOCS TI 1a-64: In-house EM
	Titer	AOCS Tr 1a-64: In-house EM QCA013 based on AOCS Tr 1a-64
	Water (Karl Fischer)	ISO 760 (Part 7): In-house EM QCA010 based on ISO 760 (Part 7)
<u>Finished Products Only</u> Methylester And Related Product	Acid Value	ISO 660 (Part 5): In-house EM QCA001 based on AOCS Te 1a-64:1997/ISO 660 (Part 5)
	Colour of Clear Liquids (Pt-Co scale) or (Colour APHA)	ASTM D1209: In-house EM QCA002 based on ASTM D1209
	Colour (Gardner)	AOCS Td 1a-64: In-house EM QCA003 based on AOCS Td 1a-64
	Colour (Lov. 5 ¼" or 1")	AOCS Cc 13e-92: In-house EM QCA005 based on AOCS Cc 13e-92
	Fatty Acids Composition by GC (or Chain Distribution)	ISO5508: In-house EM QCA006 based on ISO 5508
	Iodine Value	AOCS Tg 1a-64: In-house EM QCA009 based on AOCS Tg 1a-64
	Saponification Value	AOCS TI 1a-64: In-house EM QCA011 based on AOCS TI 1a-64
	Water (Karl Fischer)	ISO 760 (Part 7): In-house EM QCA010 based on ISO 760 (Part 7)
<u>Finished Products Only</u> Fatty Alcohol And Related Products	Acid Value	ISO 660 (Part 5): In-house EM QCA001 based on AOCS Te 1a-64:1997/ISO 660 (Part 5)
	Colour of Clear Liquids (Pt-Co scale) or (Colour APHA)	ASTM D1209: In-house EM QCA002 based on ASTM D1209
	Hydroxyl Value	AOCS Cd 13-60: In-house EM QCA008 based on AOCS Cd 13-60
	Iodine Value	AOCS Tg 1-64 In-house EM QCA009 based on AOCS Tg 1-64

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Saponification Value	AOCS TI 1a-64: In-house EM QCA011 based on AOCS TI 1a-64
	Water (Karl Fischer)	ISO 760 (Part 7): In-house EM QCA010 based on ISO 760 (Part 7)
	Melting Point (or Solidification Point)	ISO 3841: In-house EM QCA012 based on AOCS TI 1a-64
	Fatty Alcohols Composition by GC (or Chain Distribution)	In-house EM QCA006 based on ISO 5508
	Hydrocarbon Content by GC (or Hydrocarbon)	In-house EM QCA006 based on ISO 5508
Finished Products Only Refined/ Distilled Glycerine	Acid or Alkalinity or Acid Content	EP/ BP In-house EM QCA018 based on EP/ BP
	Acid or Alkalinity or Acid Content	BS 5711 (Part 5) In-house EM QCA019 based on BS 5711 (Part 5)
	Acid or Alkalinity or Acid Content	ISO 1615 In-house EM QCA020 based on ISO 1615
	Aldehydes and Reducing Substances	EP/ BP In-house EM QCA021 based on EP/ BP
	Chlorides	USP In-house EM QCA022 based on USP
	Chlorides	EP / BP In-house EM QCA023 based on EP / BP
	Chlorides	BS 5711 (Part 12): In-house EM QCA024 based on BS 5711 (Part 12)
	Chlorinated Compounds (or Organic Chlorides)	BS 5711 (Part 14): In-house EM QCA025 based on BS 5711 (Part 14)
	Chlorinated Compounds (or Organic Chlorides)	USP In-house EM QCA026 based on USP
	Colour of Clear Liquids (Pt-Co scale) or (Colour APHA)	ASTM D1209: In-house EM QCA002 based on ASTM D1209
	Esters	EP/BP In-house EM QCA027 based on EP/BP
	Fatty Acids and Ester	USP In-house EM QCA036 based on USP
	Glycerol Content Physically	APAG-GL-009: In-house EM QCA028 based on APAG-GL-009

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	Halogenated Compounds	EP/BP In-house EM QCA029 based on EP/BP
	Heavy Metals	USP 38 Version In-house EM QCA030 based on USP 38 Version
	Heavy Metals	BS 5711 (Part15): In-house EM QCA031 based on BS 5711 (Part15)
	Heavy Metals	EP (Mtd A)/ BP (Test A) In-house EM QCA032 based on EP (Mtd A)/ BP (Test A)
	pH	ASTM E70-97: In-house EM QCA033 based on ASTM E70-97
	Relative Density Index 22°C/ 22°C (or Specific Gravity)	ISO 2099 (Part 2) :/APAG-GL-008: In-house EM QCA035 based on ISO 2099 (Part 2) :/APAG-GL-008
	Refractive Index	APAG-GL-006: In-house EM QCA034 based on APAG-GL-006
	Sugars	EP/BP In-house EM QCA037:2011 based on EP/BP
	Sulphated Ash (or Residue on Ignition)	USP In-house EM QCA038 based on USP
	Sulphated Ash (or Residue on Ignition)	EP/BP In-house EM QCA039 based on EP/BP
	Sulphated Ash (or Residue on Ignition)	ISO 1616
	Sulphates	USP In-house EM QCA040 based on USP
	Water (Karl Fischer)	ISO 760 (Part 6.1): /EP/BP In-house EM QCA040 based on ISO 760 (Part 6.1): /EP/BP
Surfactant	Anionic-Active Matter	ISO 2271: In-house EM QCA047: based on ISO 2271
Other Oleochemical-derivatives	Viscosity-Brookfield	AOCS Ja 10-87: In-house EM QCA017: based on AOCS Ja 10-87:
	Free Fatty Acids	AOCS Ca 5a-40: In-house EM QCA015: based on AOCS Ca 5a-40
	pH	ISO 4316 In-house EM QCA050 based on ISO 4316

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Refractive Index	AOCS Tp 1a-64:In-house EM QCA016: based on AOCS Tp 1a-64

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