

CERTIFICATE OF ANALYSIS

COA: 483038

Supplier: CEDIS. Oxiteno México San Juan del Río
Address: ORIENTE 10, # 2
Manufacturer: INTERIOR DEL RECINTO PORTUARIO COATZACOALCOS S/N VERACRUZ DE IGNACIO DE LA LLAVE, MÉXICO, TELÉFONO : +52 921 211 0930

Customer:
Sales Order: 2146318
Invoice #: 14661
Customer PO: 00025643
Oxiteno Product Name: ALKEST TW 80
Lot: 251230Z020582
Status: Approved
Amount: 7.92T
Manufacture Date: 12/30/2025
Expiration Date: 12/30/2027

Tests	Analytical Method	Minimum Limit	Maximum Limit	Results
Identification (IR)	MA-1188	---	---	Pass
C14 Myristic, %	MA-1294		5.0	1.2
C16 Palmitic, %	MA-1294		16.0	5.7
C16:1 Hexadecenoic, %	MA-1294		8.0	0.1
C18 Stearic, %	MA-1294		6.0	1.8
C18:1 Oleic, %	MA-1294	58.0	90.0	79.5
C18:2 Linoleic, %	MA-1294		18.0	0.2
C18:3 Linolenic, %	MA-1294		4.0	0.0
Oleic acid content (C18:1), g/100g	MA-1295	22	24	24
Acid Value (C18:1), mgKOH/g	MA-1295	193	206	194
Iodine Value (C18:1), gI2/100g	MA-1295	80	92	85
Identification FCC	MA-1297	---	---	pass
Oxyethylene Content, %	MA-1327	65.0	69.5	67.2
Hydroxyl value, mgKOH/g	MA-525	65.0	80.0	73.9

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Residue on Ignition, %p	MA-612	0.25	0.11	
Acidity Index, mgKOH/g	MA-638	2.0	1.3	
Arsenic, as As, ppm	MA-705	1.0	< 0.4	
Lead, as Pb, ppm	MA-705	2.0	< 0.2	
Residual ethylene oxide, ppm	MA-706	1	0	
Dioxane, ppm	MA-716	10	2	
Heavy metals, ppm	MA-724	10	0	
pH, 5wt% aqueous solution, 25°C	MA-729	6.00	7.00	6.75
Kinematic viscosity, 25°C, cSt	MA-766	300	500	441
Peroxide value, mEq/1000g	MA-780	9.0	1.1	
Specific weight at 25°C	MA-798	1.06	1.09	1.08
Saponification value, mgKOH/g (w)	MA-810	45.0	55.0	47.3
Water, %p	MA-875	3.0	2.5	
Gardner color, 25°C	MA-881	5	3	

The product has the mentioned shelf life if kept under proper storing conditions.



Vicente Mauricio Barragan Salas

[LIMS] SAMPLE NUMBER: 1497918

[LIMS] CONTROL CODE: AF3A225E-9EA6-4150-B124-2181EA42148B