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**CERTIFICATE OF ANALYSIS**

COA: 356889

**Customer:****Sales Order:** 2139613**Invoice #:** 13914**Customer PO:** 00024918**Oxiteno Product Name:** ALKEST TW 80**Lot:** 240827Z017306**Status:** Approved**Amount:** 17.6T**Manufacture Date:** 08/27/2024**Expiration Date:** 08/27/2026

<b>Tests</b>	<b>Analytical Method</b>	<b>Minimum Limit</b>	<b>Maximum Limit</b>	<b>Results</b>
Identification (IR)	MA-1188	---	---	Pass
C14 Myristic, %	MA-1294		5.0	1.1
C16 Palmitic, %	MA-1294		16.0	5.3
C16:1 Hexadecenoic, %	MA-1294		8.0	0.1
C18 Stearic, %	MA-1294		6.0	1.6
C18:1 Oleic, %	MA-1294	58.0	90.0	80.0
C18:2 Linoleic, %	MA-1294		18.0	0.0
C18:3 Linolenic, %	MA-1294		4.0	0.6
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), gI <sub>2</sub> /100g	MA-1295	80	92	82
Identification FCC	MA-1297	---	---	pass
Oxyethylene Content, %	MA-1327	65.0	69.5	66.5
Hydroxyl value, mgKOH/g	MA-525	65.0	80.0	74.9

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Residue on Ignition, %p	MA-612	0.25	0.10	
Acidity Index, mgKOH/g	MA-638	2.0	1.6	
Arsenic, as As, ppm	MA-705	1.0	< 0.0	
Lead, as Pb, ppm	MA-705	2.0	< 0.2	
Residual ethylene oxide, ppm	MA-706	1	0	
Dioxane, ppm	MA-716	10	5	
Heavy metals, ppm	MA-724	10	0	
pH, 5wt% aqueous solution, 25°C	MA-729	6.00	7.00	6.54
Kinematic viscosity, 25°C, cSt	MA-766	300	500	452
Peroxide value, mEq/1000g	MA-780	9.0	3.4	
Specific weight at 25°C	MA-798	1.06	1.09	1.08
Saponification value, mgKOH/g (w)	MA-810	45.0	55.0	49.0
Water, %p	MA-875	3.0	2.6	

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

Vicente Mauricio Barragan Salas

[LIMS] SAMPLE NUMBER: 1134126

[LIMS] CONTROL CODE: 07071210-399B-493B-AC7A-DA53070CD707