

Customer: HENRY HIRSCHEN CIA
Sales Order: 2136868
Invoice #: 13657
Customer PO: 00024549
Oxiteno Product Name: ALKEST TW 80
Lot: 240418Z016702
Status: Approved
Amount: 10.56T
Manufacture Date: 04/18/2024
Expiration Date: 04/18/2026

Tests	Analytical Method	Minimum Limit	Maximum Limit	Results
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	79.9
C18:2 Linoleic, %	MA-1294		18.0	0.0
C18:3 Linolenic, %	MA-1294		4.0	0.1
Oleic acid content (C18:1), g/100g	MA-1295	22	24	24
Acid Value (C18:1), mgKOH/g	MA-1295	193	206	198
Iodine Value (C18:1), gI2/100g	MA-1295	80	92	88
Identification FCC	MA-1297	---	---	pass
Oxyethylene Content, %	MA-1327	65.0	69.5	66.4
Hydroxyl value, mgKOH/g	MA-525	65.0	80.0	72.6

Residue on Ignition, %p	MA-612	0.25	0.07	
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	1	
Heavy metals, ppm	MA-724	10	0	
pH, 5wt% aqueous solution, 25°C	MA-729	6.00	7.00	6.63
Kinematic viscosity, 25°C, cSt	MA-766	300	500	430
Peroxide value, mEq/1000g	MA-780	9.0	3.5	
Specific weight at 25°C	MA-798	1.06	1.09	1.08
Saponification value, mgKOH/g (w)	MA-810	45.0	55.0	49.5
Water, %p	MA-875	3.0	2.4	
Gardner color, 25°C	MA-881	5	4	
