



U. S. Oil & Refining Co.

3001 Marshall Avenue, Tacoma, Washington, 98421 (253) 383-1651

ULTRA LOW SULFUR DIESEL

Property	ASTM Method	Specifications	
		Min.	Max
Color, ASTM	D 1500		1.5
Doctor Test	D 4952		Negative ³
Sulfur, ppm	D 5453		15
Distillation – 90% recovered, °C	D 86	282	338
Flash Point, °C	D 93	52	
Density, Kg/m ³ , °C	D 4052		876
Viscosity @ 40°C, mm ² /S (cSt)	D 445	1.9	4.1
Cold Filter Plugging Point (CFPP), °C	D 6371		
Summer ¹			-6
Winter ²			-12
Cetane Index	D 976	41	
Corrosion, Copper Strip, rating 3h @ 50°C	D 130		1B
Carbon – Residue on 10% distillation, % mass	D 4530		0.35
Ash, mass %	D 482		0.01
Water & Sediment, Volume %	D 2709		0.05
Haze point	D 4176	Clear and bright @ ambient Temperature	
Conductivity, pS/m	D 2624	50	
Lubricity, High Frequency Reciprocating Rig (HFRR) @60°C, micron	D 6079		520

Conforms to ASTM D 975, Grade No. 2-D S15 Specification

1) Summer: March 1 – October 31

2) Winter: November 1 – February 29

3) If Doctor test is positive then mercaptan sulfur must be less than 30 ppm