

Y Grade #1 Ultra Low Sulfur Diesel Fuel Specifications

Product Property ^{1/}	Test Method	Minimum	Maximum
Gravity, °API	D287	35.0	
Distillation ^{4/}	D86, D2887		
10% Recovered, °F			419
90% Recovered, °F			550
Copper Corrosion	D130	1	
Cetane			
Cetane Number	D613	40.0	
Or			
Cetane Index, A or B	D4737	40.0	
Cetane Index ^{2/}	D976	40	
Flash Point, °F	D93	115	160
Carbon Residue on 10% Bottoms, wt %	D524		0.15
Pour Point, °F	D97		-25
Viscosity at 104 °F, cSt	D445	1.3	2.1
Ash, wt %	D482		0.01
Haze Rating ^{3/}	D4176		2
NACE Corrosion	TM172, D7548	B+	
Sulfur, ppm	D2622		12
Mercaptan Sulfur, wt% ^{5/}	D3227		0.0004

Foot Notes:

- 1/ Delivered products meet all applicable requirements at time and place of delivery.
- 2/ ASTM D976 result is required for low sulfur fuel oils to demonstrate aromatics compliance per the EPA.
- 3/ Compliance with ASTM D4176 will be determined using Procedure 2 at 77 °F or tank temperature at the time of sampling, whichever is lower.
- 4/ ASTM D2887 Simulated Distillation results must be reported after D86 correlation.
- 5/ Mercaptan Sulfur determination is waived if the result of the Doctor Test ASTM D4952 is negative.

Notes:

- Y-Grade complies with the ULSD standards of 40 CFR 1090.305.
- Y-Grade is designated as ULSD in accordance with 40 CFR 1090.1115.
- The presence of biodiesel is prohibited at origin.
- Y-Grade shipments may not be dyed.