



Specifications

Ultra Low Sulfur Diesel (Fungible 15 ppm) – Grade 61

PRODUCT PROPERTY	ASTM Test Method	Test Results		Note
		Minimum	Maximum	
Renewable Fuel (volume %)			5	6
Gravity API	D287, D1298, D4052	30		
Flash Point, °F				
Pensky-Martin	D93	130		
Physical Distillation, °C(°F)	D86			5
50%			Report	
90%		282(540)	338(640)	
End Point			366(690)	
or Simulated Distillation, °C(°F)	D2887			5
50% recovered			Report	
90% recovered		300(572)	356(673)	
End Point			421(790)	
Color ASTM	D1500,D6045		2.5	
Color Visual		Undyed		
Viscosity, cSt @ 40°C (104°F)	D445	1.9	4.1	
Pour Point	D97, D5949, D5950, D5985			2
Cloud Point	D2500, D5771, D5772, D5773			2
	OR			
LTFT/CFPP	D4539, D6371			2
Corrosion, 3 hrs. @ 50°C (122°F)	D130		1	
Total Sulfur, ppmwt	D2622, D5453 D7039, other		11 14	Origin Delivery 3
Cetane Number	D613, D6890, D7170	40		4
Aromatics (Volume %)	D1319		31.7	
or Aromatics by Cetane Index	D976	40		
Ash, wt. %	D482		0.01	
Carbon Residue: Ramsbottom on 10% Bottom	D524		0.35	
BS&W, vol. %	D2709 or equivalent		< 0.05	
Thermal stability, 90 minutes				
150°C Pad rating, DuPont scale			7	
	OR			
Thermal stability	D6468			
Y/Green		73%		
W Unit		65%		
	OR			
Oxidation stability, mg/100 ml	D2274		2.5	
Haze rating @ 25°C (77°F)	D4176 Procedure 2		2	
Nace Corrosion	TM0172	B+ (Origin)		
Electrical				
Conductivity, pS/m @ 21°C(70°F)	D2624		250	





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This schedule denotes the fluidity of the distillate at the time and place of origin.

Pour Point –August 1st through March 14th	Maximum: -18°C (0°F).
Pour Point – March 15th through July 31st	Maximum: -12°C (+10°F)
Cloud Point – August 1st through March 14th	Maximum: -9°C (+15°F)
Cloud Point – March 15th through July 31st	Maximum: -7°C (+20°F)

The referee method will be Pour point D97 and Cloud point D2500

Origin laboratory certifying sulfur content must qualify the test method used per EPA Performance based testing

The referee test method will be ASTM D5453.

Either physical or simulated distillation can be used. The referee test method will be ASTM D 86.

