



Product Specification Sheet

Ultra Low Sulfur Diesel #1 S15 - Arctic Grade ASTM D975

<u>Test</u>	<u>Units</u>		<u>Specification</u> Degrees C (F)	<u>Test Method</u>
Visual Inspection	"Visually free of undissolved water, sediment and suspended matter"		Pass	D4176
Density at 15C	kg/m ³	max	850	D4052
Flash Point	Celsius	min	38 (100)	D93
Water and Sediment	Vol %	max	0.05	D2709
Distillation, Auto				
IBP	Celsius		Report	D86
10% Recovery	Celsius		Report	D86
20% Recovery	Celsius		Report	D86
50% Recovery	Celsius		Report	D86
90% Recovery	Celsius	max	288 (550)	D86
Final Boiling Pt	Celsius		Report	D86
Kinematic Viscosity, @ 40C	mm ² /S		1.1* - 2.4	D445
Ash	wt%	max	0.01	D482
Sulfur	ppm (ug/g)	max	15	D4294
Copper strip corrosion rating	Code	max	3	D130
Cetane Index (4 variable)	Number	min	40	D4737
Cetane Index	Number	min	40	D976
Cloud Point	Celsius	max	-48.5 (-55)	D5773
Pour Point	Celsius		Report	D5949
Ramsbottom carbon residue on 10% distillation residue	wt%	max	0.15	D524
Lubricity, HFRR @ 60C**	micron	max	520	D7688
Conductivity***	pS/m	min	25	D2624
Gross Heat of Combustion	Btu/Gallon		Report	D4868

Note: *Minimum Viscosity specification relaxed to 1.1cSt for Arctic Grade fluidity.

**Lubricity injected at point of sale

***Fuel loading does not exceed conditions of D396 Table 5. No conductivity improver added