



ULTRA LOW SULFUR DIESEL SPECS

No.	Test Description	METHOD	UNITS	LIMITS
1	Appearance	ASTM D4176	-	Haze Rating 1
2	Aromatics (Total)	IP 391	% Wt	Min 22
3	Aromatics - Polycyclic	IP 391	% Wt	Max 11
4	Ash	ASTM D482	% Wt	Max 0.01
5	BS & W	ASTM D2709	% Vol	Max 0.05
6	Carbon Residue (on 10% bottom)	ASTM D4530	% Wt	Max 0.20
7	Cetane Index	ASTM D4737	-	Min 48
8	Cloud Point	ASTM D2500	°C	Max 6
9	Color	ASTM D1500	-	Max 2.0
10	Conductivity	ASTM D2624	p s/m	150-450
11	Corrosion, Copper Strip (3hrs @ 50°C)	ASTM D130	-	Max 1
12	Density @ 15°C	ASTM D4052	kg/m3	820-850
13	Dist. Range IBP	ASTM D86	°C	Report
14	Dist. 10% Recovered	ASTM D86	°C	Report
15	Dist. 50% Recovered	ASTM D86	°C	Report
16	Dist. 90% Recovered	ASTM D86	°C	262-338
17	Dist. 95% Recovered	ASTM D86	°C	Max 360
18	Dist. FBP	ASTM D86	°C	Report
19	Fatty Acid Methyl Ester (FAME)	EN 14078	% Vol	Max 0.1
20	Flash Point	ASTM D93	°C	Min 66
21	Filter Blocking Tendency	ASTM D2068	-	Max 2.0
22	Lubricity, Wear Scar Diameter @ 60°C	IP450	pm	Max 460
23	Total Acid Number	ASTM D974	mgKOH/g	Max 0.2
24	Strong Acid Number	ASTM D974	mgKOH/g	N/1
25	Odor	Indirect	-	Merchantable
26	Oxidation Stability (insoluble)	ASTM D2274	mg/100mL	Max 2.0
27	Pour Point	ASTM D97	°C	Max 9
28	Sulfur, Total	ASTM D5453	Wppm	Max 10.0
29	Viscosity @ 40°C	ASTM D445	CSt	2.000-4.100
30	Static Dissipation Additive	Calculation	mg/L	Report
31	Lubricity Additive (Infineum R655)	Calculation	Wppm	Max 200
32	Cold Flow Improver (Infineum R240)	Calculation	Wppm	Report

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