



## Specification of High Speed Diesel

Properties	Unit	Test Method	Specification of Low Sulfur (HSD (B4))	Result of Low Sulfur (HSD (B4))
Appearance	-	Visual	Clear	Clear
ASTM Color	-	ASTM D 1500	4.0 Max	L 0.5
Distillation	-	-		
50 % Recovered **	°C	ASTM D 86	Report	282.5
90 % Recovered **	°C	ASTM D 86	357 Max	354.5
Flash Point, Procedure A **	°C	ASTM D 93	52 Min	87.0
Density @ 15 °C	g / ml	ASTM D 4052	Report	0.8374
Specific Gravity @ 60 / 60 °F	-	ASTM D 4052	0.81 - 0.87	0.8378
API Gravity	-	ASTM D 4052	Report	37.39
Ash Content ***	% wt	ASTM D 482	0.01 Max	< 0.001
Micro Method carbon residue ***	% wt	ASTM D 4530	0.05 Max	< 0.05
Corrosion Copper Strip (3h / 50 °C) **	-	ASTM D 130	No.1 Max	1a
Total Sulfur Content	ppm wt	ASTM D 2622	50 Max	33.2
Water and Sediment **	% vol	ASTM D 2709	0.05 Max	0.005
Methyl Ester of Fatty Acid	% vol	EN 14078	4.5 - 5.0	4.7
Polycyclic Aromatic Hydrocarbon **	% wt	IP 391	11 Max	1.6
Total Insolubles *	g / m <sup>3</sup>	ASTM D 2274	25 Max	0
Cetane Index **	-	ASTM D 976	50 Min	55.1
Kinematic Viscosity @ 40 °C **	cSt.	ASTM D 445	1.8 - 4.1	3.493
Pour Point **	°C	ASTM D 5950	10 Max	0
Lubricity, WS 1.4 @ 60 °C *	um	CEC F - 06 - A - 96	460 Max	171

The product passes the specification requirements.

Remark : The properties marked with (\*) are tested from sample ID : AL3-1202000019, every month.

The properties marked with (\*\*) are tested from sample ID : AL3-1202006825.

The properties marked with (\*\*\*) are tested from sample ID : AL3-1112007554, every 3 months.