



EASTERN REFINERY LIMITED

SPECIFICATION OF LOW SULPHUR HIGH SPEED DIESEL (LSHSD)

(AS APPROVED BY BSTI (REVISED ON MARCH, 2002))

LOW SULPHUR HIGH SPEED DIESEL (LSHSD)

S N	TESTS	METHOD	LIMIT
1	Density at 15° C, kg/L	ASTM D 1298	To be reported
2	Distillation 50% vol. recovery, °C 96% vol. recovery, °C	ASTM D 86	Max. 280 Max. 340
3	Cetane Index (Calculated)	ASTM D 976	Min. 50
4	Viscosity at 40 °C Kinematic, cst Engler, °E	ASTM D 445	Min. 2.3 Max. 4.1 Min. 1.18 Max. 1.30
5	Pour Point, °C	ASTM D 97	Max. - 10
6	Carbon Residue (Conradson) on 10% bottom, % wt.	ASTM D 189	Max. 0.50
7	Ash Content, % wt.	ASTM D 482	Max. 0.02
8	Sulfur Content, %wt.	ASTM D 1552/ ASTM D 4294	Max. 0.50
9	Mechanical Impurities	Visual	Nil
10	Water Content, %wt.	ASTM D 95	Nil
11	Flash Point PM (cc), °C	ASTM D 93	Min. 80
12	Copper Strip Corrosion (3 hours at 100 °C)	ASTM D 130	Max. No. 1
13	Acid Value, mg KOH/100 mL	ASTM D 974	Max. 5
14	Water Soluble Acid & Alkali Content	ASTM D 974	Nil