



FURNACE FUEL OIL (FFO)

Product Description:

The furnace fuel oil is produce as by-product in fractional distillation of crude oil. Furnace fuel oil is the residue of Crude Distillation Unit (CDU) and Vacuum Distillation Unit (VDU). HSFO conforms to the Pakistan Standards & Quality Control Authority and Ministry of Petroleum and Natural Resources specifications.

Application and Benefits:

Furnace Fuel oil is mainly used for thermal power production in thermal power house. Also used in boilers, industrial furnaces and other combustion equipment. This product should not be used in applications other than those recommended.

MARKETING SPECIFICATION

TEST	TEST METHOD	SPECIFICATION LIMITS	
		(Summer)	(Winter)
1. Specific Gravity 15.6 °C	ASTM D-1298	Max. 0.96	Max. 0.96
2. Kinematic Viscosity @ 50 °C (cSt)	ASTM D-445	Max. 180	Max. 130
3. Flash Point (PMCC) °C	ASTM D-93	Min. 66	Min. 66
4. Pour Pint °C	ASTM D-97	Max. 24	Max. 24
5. Sulphur Content % wt	ASTM D-129	Max. 3.5	Max. 3.5
6. Calorific value (Gross). BTU/lb	ASTM D-240	Min. 18000	Min. 18000
K Cal/kg	ASTM D-240	Min. 10000	Min. 10000
7. Water % Volume	ASTM D-95	Max. 0.5	Max. 0.5
8. Sediment % wt	ASTM D-473	Max. 0.25	Max. 0.25
9. Ash Content % wt	ASTM D-482	Max. 0.1	Max. 0.1
10. Carbon Conradson Residue % wt.	ASTM D-189	Max. 12	Max. 12
11. Strong acid No. mg/KOH/g	ASTM D-974	Nil	Nil
12. Vanadium, ppm	ASTM D-2788	Max. 100	Max. 100
13. Sodium + Potassium, ppm		Max. 50	Max. 50