

SN.	TEST	METHOD	SPECIFICATION	
			GRADE A	GRADE B
1	Appearance	Visual	Clear & bright. Free from un-dissolved water, foreign matter, and other visible impurities.	Clear & bright. Free from un-dissolved water, foreign matter, and other visible impurities.
2	Acidity, inorganic	ISO 6618 / ASTM D 974 / IS 1448 P :2	Nil	Nil
3	Burning Quality : ⁽¹⁾	IS 1448 P :5		
	a) Char value. mg/kg of oil consumed, Max		20	20
	b) Bloom on glass chimney		Not darker than grey	Not darker than grey
4	Colour	IS 1448 P :14	+10	+10
	a) Saybolt (In case of undyed Kerosene), Min			
5	Copper Strip corrosion for 3 hrs. at 50°C	IS 1448 P :15	Not worse than No. 1	Not worse than No. 1
6	Density @ 15°C, kg/m ³	IS 1448 P :16	Not Limited. To be reported	Not Limited. To be reported
7	Distillation :	IS 1448 P :18		
	a) Percentage recovery below 200°C, percent (v/v), Min		20	20
	b) Final boiling point, °C, Max		300	300
8	Flash Point (Abel), °C, Min	IS 1448 P :20	35	35
9	Smoke Point, mm. ⁽²⁾ , Min	IS 1448 P :31	18	18
10	Total Sulphur, % m/m, Max	IS 1448 P :34 / ISO : 8754	0.1	0.2

NOTE

(1) This test is done at Refinery end and applicable for the supply made to Railways

(2) For supplies to Defence & railway signal lamps, smoke point of the product shall be minimum 22 mm.

Conforms to IS 1459 : 2018 for Kerosene, BPCL markets grade B