



### **NAVA JYOTI – 100 : SPECIFICATIONS**

Sr. No.	Parameters	Unit	Specifications	Observations
1.	Appearance	-	Clear Yellow to Amber	Conforms
2.	Odor	-	Slightly fatty odor	Conforms
3.	Density at 15 <sup>0</sup> C	g/cm <sup>3</sup>	0.86-0.90	0.875
4.	Kinematic Viscosity at 40 <sup>0</sup> C	mm <sup>2</sup> /s(cSt )	3-5	4.826
5.	Flash Point	<sup>0</sup> Celsius	Min 120 <sup>0</sup> C	173 <sup>0</sup> C
6.	Sulphated Ash	%(m/m)	0.02 max	<0.01
7.	Water Content	mg/Kg	<500ppm	477ppm
8.	Copper Strip Corrosion(3Hr,50 <sup>0</sup> C)	Rating	1a	1a
9.	Calorific Value	Kcal/Kg	9000-10500	10200
10.	Pour Point	<sup>0</sup> Celsius	5 <sup>0</sup> C Max	3 <sup>0</sup> C
11.	Carbon Residue	%(m/m)	0.30 Max	0.01
12.	Acid Value	Mg KOH/g	Max 15	8.08
13.	FFA	%(m/m)	Max 6	4.04%
14.	Iodine Value	gr.I <sub>2</sub> /100g	120 Max	119.6
15.	Ester Content	%(m/m)	90 Min	90

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