

Bio Solar (B35) Specification

No.	CHARACTERISTICS	UNIT	MIN. LIMIT	MAX. LIMIT	TEST METHOD
1	Cetane Number	-	49	-	ASTM D613
2	Cetane Index	-	45	-	ASTM D4737
3	Density @ 15°C	kg/m ³	815	880	ASTM D1298 / D4052
4	Viscosity @ 40°C	mm ² /dt	2,0	5.0	ASTM D445
5	Sulfur	% m/m	-	0.2 0.05 0.005	ASTM D2622 / D4294 / D5453
6	Distillation : 90% evaporation vol.	°C	-	370	ASTM D86
7	Pour Point	°C	-	18	ASTM D97/ D5949/ D5950/ D6749
8	Flash Point	°C	52	-	ASTM D93
9	Fog Point	°C	-	18	ASTM D2500/ D5771/ D5773/ D7683
10	Micro Carbon Residue	% m/m	-	0.1	ASTM D189/ D4530
11	Ash	% m/m	-	0.01	ASTM D482
12	Total Sediment Potential	% m/m	-	0.01	ASTM D473
13	Water	mg/kg	-	400	ASTM D6304
14	FAME	% v/v	35	35	ASTM D7371/ D7806/ D8274
15	Copper Corrosion	class	-	1 st Class	ASTM D130
16	Acid Number	mgKOH/g	-	0.6	ASTM D664
17	Colour	ASTM	-	3	D1500
18	Lubricity (HFRR @ 60°C)	micron	-	460	D6079
19	Oxidation Stability	Jam/ menit	35/ 45	-	D7545
Reference : <i>SK Dirjen Migas No. 14496K/14/DJM/2008 date August 21st 2008 concerning Standards and Quality (Specifications) of Fuel Oil Types Marketed Domestically.</i>					