



ARIYAN INTERNATIONAL INC.
Bridging Businesses Together

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STANDARD SPECIFICATION OF HEAVY FUEL OIL MAZUT M100 (GOST 10585 – 2013)

S. N:	COMPONENT	REMARKS	RESULT
1.	Ash content, not more %		0.14
2.	Mass fraction of Sulphur, not more %	low Sulphur residual oil	0.8
3.	Temperature of the flash, not less 0 °C	in the closed crucible	≥ 65
		In the open crucible °C	110 min
4.	The temperature of solidification, not higher	°C	25
5.	Kinematics viscosity		118 max
6.	Water content		0.5%
7.	Mechanical impurities		≤ 0.1%
8.	Acidity		≤5 mg KOH/100ml
9.	Alkalinity		nil
10.	Gross Calorific Value Kcal/kg /KJ/kg		Min9200/41300
11.	Density at 15.0 °C Kg/l		0.8800 – 0.9000
12.	Hydrogen Sulfide Content (H ₂ S) ppm		0.5 max
13.	Carbon Residual		≤ 7%
14.	Vanadium (V) ppm		123
15.	Aluminium (Al) ppm		5
16.	Silikon (Si) ppm		12
17.	Nickel (Ni) ppm		49
18.	Asphaltenes m/m		3.6%
19.	Distillation @ 4mm Hg Extracted to 760 mm/Hg		
		Initial Boiling Point °C	216
		5% recovered °C	259
		10% recovered °C	310
		20% recovered °C	358
		30% recovered °C	445
		40% recovered °C	502
		50% recovered °C	534
		60% recovered °C	538
		70% recovered °C	545
		80% recovered °C	–
		90% recovered °C	–
		95% recovered °C	550
		Final Boiling point °C	560
		Percent Recovered Vol.	78%
		Total Nitrogen m/m	0.192%
20.	Sodium (Na) ppm		15