

HEAVY FUEL OIL Type 1

USE: AS FUEL OIL FOR INDUSTRIAL USE; COMPONENT FOR BLEND

PROPERTY	MU	LIMITS		TEST METHOD
		Min.	Max.	
Flash point	°C	80	-	SR EN ISO 2592-18 / ASTM D 92-16b
Total sulphur	% (m/m)	-	1	ASTM D 2622-16 ¹ / ASTM D 4294-16e1
Viscosity:	°E			STAS 117-87
• at 80 °C		-	55	
• at 100 °C		-	20	
Water and sediments	% (v/v)	-	1.5	STAS 24/1-89 / ASTM D 1796-11(2016)
Ash	% (m/m)	-	0.5	SR EN ISO 6245-03 ¹ / ASTM D 482-13 ¹
Carbon residue	% (m/m)	-	25	SR EN ISO 10370-15 ¹ / ASTM D 4530-15 ¹
Freezing point	°C	-	50	STAS 39-80
Vanadium	mg/kg	-	100	ASTM D 5863-00a(2016)
Mineral acidity and alkalinity			nil	STAS 22-64 / ASTM D 1093-04(2007)
Low calorific value	kJ/kg	38,600	-	ASTM D 4868-17 ¹ / ASTM D 240-17
	kcal/kg	9,200	-	
Density at 15 °C	Kg/m ³	to be reported		ASTM D 1298-99(05) / SR EN ISO 3675-02 SR EN ISO 3675-02/C91:05

NOTE: 1) Accredited test by RENAR

Quality control: the control is done on lot (batch).

The batch will have max 10,000 tones for delivery in tank wagons or tank capacity for pipelines. The batch will have product of same type.

For each batch must to check all quality coefficients provided in standard specification of the product/type.

The product must to comply with all provided characteristics. If not, the lot is rejected.

In case of litigation, quality control will be made on samples taken in accordance with sampling procedure and hold for this case.

Sampling procedure: SR EN ISO 3170-2004/C91:2005/ASTM D 4057-12

Information on product classification, packing, labelling, handling, transport and storage: according to Safety Data Sheet 2.7.1T

The integrated Quality-Environment-Occupational Health and Safety Management System is certified by DNV-GL according to the following standards:

- ISO 9001
- ISO 14001
- BS OHSAS 18001

The test lab is accredited by RENAR, in compliance with SR EN ISO/CEI 17025.

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