

HEAVY FUEL OIL

USE: AS FUEL OIL FOR INDUSTRIAL USE, COMPONENT OF MIXTURE FOR MARITIME FUEL, RAW MATERIAL FOR FURTHER PROCESSING

PROPERTY	MU	LIMITS		TEST METHOD
		Min.	Max.	
Flash point	°C	90	-	SR EN ISO 2592-02 / ASTM D 92-05a
Total sulphur	% (m/m)	-	2	ASTM D 2622-08 ¹ / ASTM D 4294-08
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 1796-04(2009)
Ash	% (m/m)	-	0,5	SR EN ISO 6245: 03 ¹ / ASTM D 482-07 ¹
Carbon residue	% (m/m)	-	25	SR EN ISO 10370: 02 ¹ / ASTM D 4530-07 ¹
Freezing point	°C	-	50	STAS 39-80
Vanadium	mg/kg	-	100	IP 285-85 / ASTM D 5863-00(05)
Mineral acidity and alkalinity		nil		STAS 22-64 / ASTM D 1093-04(2007)
Low calorific value	kJ/kg	38.600	-	ASTM D 4868-00(2005) ¹ / ASTM D 240-02(2007)
	kcal/kg	9.200	-	

NOTE: 1) Accredited test by RENAR

Quality control: control is done on lot.

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

During testing, the product must comply with all parameters depicted in standard specification for corresponding product/type. If not, the batch is rejected

In case of litigious, the quality control will be done using the samples kept for these cases, sampling being done in accordance with the sampling procedure.

NOTE: A sample is analyzed in the supplier laboratory, and the second is kept for three months after delivery, at buyer's disposal, for an eventual control

Sampling procedure: according to SR EN ISO 3170:2004 / ASTM D 4057-06

Informations about handling, transportation and storage: according to "Safety Data Sheet" FDS-2.7 T.

Quality-environment-safety integrated Management System is certified by Germanischer Lloyd Certification according to the following standards:

- ISO 9001:2008
- ISO 14001:2004
- BS OHSAS 18001:2007

The test lab is accredited by RENAR, in compliance with SR EN ISO/CEI 17025:2005.

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