

**HEATING FUEL OIL M-100  
(TYPE VII, ash-bearing)  
(GOST 10585-99)**

**Certificate of Analysis:** 320  
**Production Date:** 19.07.2007  
**Lot Nr.:** 320  
**Storage Tank Nr.:** R-1 (TPP-1) (ТЭЦ-1)  
**Filling Level (m):** 3.5  
**Volume (m<sup>3</sup>):** 4.789

**MAIN QUALITY SPECIFICATIONS**

	<b>Normative Value</b>	<b>Lot Value</b>
<b>Viscosity, max. (reference, degrees of FV):</b>		
• at 80 °C	not standardized	-
• at 100 °C	6.8	6.42
<b>Viscosity at 80 °C acc. to ASTM 445 method, Engler degrees, max.</b>	16.0	15.48
<b>Ash Content for low-ash fuel-oil, %, max.</b>	0.05	-
<b>Ash Content for ash-bearing fuel-oil, %, max.</b>	0.14	0.07
<b>Mechanical Impurities Mass Content, wt. %, max.</b>	1.0	passed
<b>Water Content, wt. %, max.</b>	1.0	0.1
<b>Water-Soluble Acids &amp; Alkali Mass Content</b>	absence	absence
<b>Sulphur, wt. %, max. for fuel oil:</b>		
• type IV	2.0	-
• type V	2.5	-
• type VI	3.0	-
• type VII	3.5	3.03
<b>Flash Point in Open Cup, °C, min.</b>	110	115
<b>Flash Point in Closed Cup, °C, min.</b>	50	-
<b>Pour point, °C, max.</b>	25	12
<b>Combustion heat calculated on dry fuel, kJ/kg,:</b>		
• for fuel oils of I-IV types, min.	40530	-
• for fuel oils of V-VII types, min.	39900	passed
<b>Density at 20 °C, kg/cm<sup>3</sup>, max.</b>	not standardized	983.3
<b>Density at 15 °C acc. to ASTM-1298, kg/cm<sup>3</sup>, max.</b>	993.0	990.1

**Compliance Declaration No:** 010.XII14 valid until 16.09.2010  
**Compliance Certificate No:** POCC RU.XII14H 00985 valid until 15.09.2008  
issued by 25 GosNII MO RF

**Laboratory Accreditation Certification No:** POCC RU.0001.22 HФ 51 from 25.04.2007