

QUALITY CERTIFICATE No. 25
POLYALKYLBENZOL RESIN
TS 2414-001-91051486-2011
Grade A

Date of production: 09.10.2019 Product vessel no.1 6
Sampling date 09.10.2019 Net weight - 57997 kg
Date of testing: 09.10.2019 Rail tank car no. 75009019

The tests were carried out in the Test Center - Quality Control Department of NNK JSC
Accreditation certificate No. ROSS 1111.0001.515720, date of entry of information into the register of accredited persons July 29, 2015

Indicator Name	Value for the grade A	Actually	Test method
1 General view	Viscous liquid from dark brown to black color	Viscous liquid of dark brown color	Visually
2 Density at 20°C, g/cm ³	0,900-1,100	1,026	GOST 18995.1.
3 Fractional composition:			
a) Temperature of initial boiling point °C	150 min	246	GOST 2177
b)85% distilled at a temperature of, °C	360 max	360	
4 Flash point, determined in open crucible, °C	80 min	144	GOST 4333
5 Conditional viscosity at 50 ° C, degrees	1,0-3,0	2.4	GOST 6258
6 Mass fraction of water, %	absence	absence	GOST 2477
7 Iodine number, g iodine per 7 g of product	20 max	5	GOST 2070
8 Mass fraction of mechanical impurities,%	1.00 max	0.14	GOST 6370
9 Copper strip test	Passes	Passes.	GOST 6321
10 Chlorine mass fraction,%	0.2 max	0.004	TS 2414-001- 91051486-2011 cl.5.3

The product complies with the requirements of TU 2414 - 001 - 91051486 - 2011, Grade A

Additional information:

- Nolakylbenzene resin is used as a reagent - collector for coal flotation, a binder in coke production, a heat carrier for heat exchange equipment, as well as for exports.
- Labelling, transportation and storage - according to GOST 1510.
- the warranty shelf life of the resin is 1 year from the date of manufacturing.