



Joint Stock Company Angarsk Polymer Plant  
Legal address:  
665800, Irkutsk region, Angarsk, block 8, (Pervyi industrial area), building 5  
e-mail: secr@azp.ru, Tel.: 8(3955) 57-30-00, 57-30-02

The products were manufactured under control established in the integrated management system certified by Quality Austria in accordance with the requirements of ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018, Certificates Nos. 25613/0, 04306/0, 01144/0, and 00241/0

Test Center, Central Plant Laboratory  
665830, Irkutsk region, Angarsk, industrial zone.  
Angarsk Polymer Plant Joint Stock Company  
e-mail: ZabrodinaSV@azp.rosneft.ru Tel. 8(3955) 57-41-84

## QUALITY CERTIFICATE No. 62/5

### Petroleum benzene refined

OKPD2 code 20.14.12.133

Batch number: 62/5

Date of manufacture: November 08, 2021

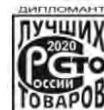
Batch size (mass): 62.620 t

Sampling site (according to GOST 2517): Tank No. 86

Date of sampling: November 08, 2021

Test date: November 08, 2021

The quality certificate was issued on the basis of: test results dated November 08, 2021 No. 62/5-Bn



No.	Indicator description	Testing method	Norm As to GOST 9572-93	Actual [VALUE]
1	Overall view and color	GOST-2706.1	Transparent liquid, free of impurities and water, not darker than a solution of 0.003 g of $K_2Cr_2O_7$ in 1 dm <sup>3</sup> of water	Transparent liquid, free of impurities and water, not darker than a solution of 0.003 g of $K_2Cr_2O_7$ in 1 dm <sup>3</sup> of water
2	Density at 20 °C, g/cm <sup>3</sup> not more than	GOST-3900	0.878–0.880	0.879
3	Freezing point, °C, not lower	GOST-2706.12	5.40	5.43
4	Mass fraction of base substance, %, not less than	GOST-2706.2	99.8	99.91
5	Mass fraction of impurities, %, not more than			
	n-heptane	GOST-2706.2	0.06	0.003
	methylcyclohexane + toluene	GOST-2706.2	0.09	0.02
	methylcyclopentane	GOST-2706.2	0.04	0.04
	toluene	GOST-2706.2	0.03	0.02
6	Sulphuric acid color, standard scale number, not more than	GOST-2706.3	0.1	less than 0.02
7	Mass fraction of total sulphur, %, not more than	GOST-13380	0.00010	0.00004
8	Reaction of aqueous extract	GOST-2706.7	Neutral	neutral

#### Conclusion:

Premium petrobenzene for synthesis **meets the technical specifications of**

- GOST 9572-93 "Petrobenzene. Specifications"

#### Additional Information:

1 The norms for the mass fraction of impurities (n-heptane, methylcyclohexane + toluene, methamphetamine) are set for purified benzene and benzene for synthesis, intended for the production of caprolactam.

2 The norm for the mass fraction of toluene is set for purified benzene intended for the production of styrene.

Transportation and storage – according to GOST 1510.

- warranty period of storage: 6 months from the date of manufacture.

- safety data sheet No. 46693089.20.61762. Valid through April 27, 2023.

Tank No.

73964942

To whom it is sent

Joint Stock Company "RN-Trans"

L.S.

/seal/ Joint Stock Company Angarsk

Polymer Plant

\*for quality certificates\*/

Accepted for shipment by the  
Logistics Support Department  
RN-Trans JSC

Senior dispatcher

Certificate issue date

Pilipenko M.E.

(Power of Attorney No. A311-118/21 dated

January 01, 2021)

November 08, 2021