



JSC Ryazan Refining Company
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ISO 9001:2015 Quality Management System Certificate No. 31100440 QM15
Certificate validity period: through 29.06.2024

QUALITY CERTIFICATE NO. 29707

Petrobenezene for synthesis premium quality

Document establishing product specifications:
GOST 9572-93, Petrobenzene. Technical specifications.
OKPD 2 Code 20.14.12.133
Batch number: 29707
Date of manufacture: 25.12.2021
Batch size (mass): 396 t
Sampling location (according to GOST 2517-2012): tank No. 884
Filling level: 5360 mm
Date of sampling: 25.12.2021
Test date: 25.12.2021
The tests were performed: Shop № 10 Testing Laboratory -
Central Factory Laboratory
The certificate was issued based on the quality analysis dd 25.12.2021 № 11633

Item No.	Indicator	Test method	Standard according to GOST 9572-93	Actual value
1	Overall view and color	GOST-2706.1-74	Transparent liquid with no foreign impurities and water, not darker than the solution of 0,003 g K ₂ Cr ₂ O ₇ in 1 dm ³ of water	Meets the specifications
2	Density at 20 °C, g/cm ³	GOST 3900-85 and GOST 9572-93 p. 4.2	0,878 – 0,880	0.8790
3	Distillation limits 95 % (including boiling point of pure benzene, 80.1 °C), °C	GOST-2706.13-74	no more than 0,6	0.5
4	Freezing point, °C	GOST 2706.12-74	not lower than 5,35	5.47
5	Mass fraction of base substance, %	GOST 2706.2-74	no less than 99,7	over 99.90
6	Mass fraction of impurities, % n-heptane methylcyclohexane + toluene methylcyclopentane	GOST 2706.2-74	no more than 0,06 no more than 0,13 no more than 0,08	0.006 0.010 0.013
7	Sulphuric acid color, standard scale number	GOST 2706.3-74	no more than 0,1	0.06
8	Mass fraction of total sulphur, %	GOST 13380-81	no more than 0,00010	0.00003
9	Reaction of aqueous extract	GOST 2706.7-74	neutral	neutral

Conclusion: Premium petrobenezene for synthesis meets the technical specifications of:
- GOST 9572-93 Petrobenzene. Technical specifications.

Additional Information:

- marking, transportation and storage - according to GOST 1510-84;
- warranty period of storage is 6 months from the date of manufacture

L.S.

Shift process engineer, shop № 11
(Power of attorney No. 381 dated 18.12.2020)
Certificate issue date: 25.12.2021 15:28

D.A. Glebov

SIGNATURE