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 ISO 9001:2015 No.: 20.1994.026, valid until 11.01.2024

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PASSPORT No. 284**Petroleum Toluol, premium**

Documents that establish technical specifications to the products:
 GOST 14710-78 "Petroleum toluol. Specifications" with amendments 1-6
 Code of OKPD 2 20.14.12.141

Batch number: 40
 Date of manufacture: December 16, 2021
 Batch size (mass): 558 t
 Sampling site (according to GOST 2517): 645
 Date of sampling: December 16, 2021
 Test date: December 16, 2021

| No. | Name of the indicator | Testing method | Standard according to GOST 14710-78 | The actual value |
|-----|---|---|--|--------------------------|
| 1. | Overall view and color | GOST-2706.1-74 | Transparent liquid, free of foreign impurities and water, not darker than a K ₂ Cr ₂ O ₇ solution with a concentration of 0.003 g/dm ³ | <i>compliant</i> |
| 2. | Density at 20 °C, g/cm ³ | GOST 3900-85 and clause 4.3 GOST 14710-78 | 0,865 - 0,867 | 0.867 |
| 3. | Distillation limits 98 % by volume (including the boiling point of pure toluene 110.6 °C), °C | GOST-2706.13-74 | no more than 0,7 | 0.6 |
| 4. | Mass fraction of toluene, % | GOST-2706.2-74 | no less than 99,75 | 99.97 |
| 5. | Mass fraction of impurities, % | GOST-2706.2-74 | not more than 0.25 | 0.03 |
| | Presence of aromatic hydrocarbons | GOST-2706.2-74 | not more than 0.10 | 0.01 |
| | Benzene | GOST-2706.2-74 | not more than 0.10 | 0.01 |
| | Presence of aromatic hydrocarbons C ₈ | GOST-2706.2-74 | no more than 0.05 | 0.01 |
| 6. | Sulphuric acid color, standard scale number | GOST-2706.3-74 | no more than 0.15 | 0.05 |
| 7. | Copper strip test | GOST-6321-92 | Sustains. | Sustains. |
| 8. | Reaction of aqueous extract | GOST-2706.7-74 | Neutral | <i>neutral</i> |
| 9. | Evaporation | GOST-2706.8-74 | Evaporates without residue | <i>without residue</i> |
| 10. | Mass fraction of total sulphur, % | GOST 13380-81 | no more than 0.00015 | <i>less than 0.00015</i> |

Conclusion: Petroleum Toluol meets the requirements:
 - GOST 14710-78 "Petroleum toluol. Specifications" with amendments 1-6

Additional Information:
 - is not a middle distillate - mass fraction of toluene ≥ 85%;
 - transportation and storage - according to GOST 1510.
 - the warranty period of storage is 6 years from the date of manufacture.

Head of the Control Laboratory
Head of the Laboratory of Entrance Control and Gas Analysis

/signature/ **O.E. Romashova**
 /signature/ **S.V. Usanova**
 /signature/
 December 16, 2020 **L.O. Artemenkova**

Laboratory assistant
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