



**QUALITY CERTIFICATE No. 827**  
**Methyl-tert-amyl ether (MTAE)**  
**A Grade**  
**STO 91051486-006-2012 with amendments No. 1–4**

**Date of manufacture:** 31.12.2021 **Batch number:** 2  
**Date of sampling:** 31.12.2021 **Batch size (mass):** 135 t  
**Test date:** 31.12.2021 **Sampling site (according to GOST 2517-2012):** 8/2  
 The tests were carried out at the Test Center – Quality Control Department of JSC NNK

Item No.	Name of the indicator	Norm	Actually	Testing method
1	Overall view	transparent liquid	transparent liquid	Industry Standard 91051486-006-2012 cl. 7.2
2	Mass fraction of the sum of MTAE and methylpentenyl ethers, %	no less than 96.0	98.72	MI No. 04-2011, certificate No. 12/01.00037-2011 dated 18.11.2011
	including mass fraction of MTAE, %	no less than 89.0	92.22	
3	Mass fraction of alcohols, %	maximum 1.5	0.45	
	including mass fraction of methanol, %	no more than 0.5	0.03	
4	Mass fraction of hydrocarbons C <sub>5</sub> and C <sub>10</sub> , %	maximum 1.5	0.60	
5	Total sulfur content, mg/kg	no more than 10	less than 3.0	GOST R EN ISO 20846-2006
6	Mass fraction of water, %	no more than 0.1	less than 0.01	GOST 14870-77, amendm. 1–2, cl. 2
7	Mechanical impurities	Absence	Absence	(STO) Industry Standard 91051486-006-2012 cl. 7.4

Note – The mass fraction of all components according to indicators 2, 3, 4 is given without taking into account hydrocarbons C<sub>6</sub> – Methyl-tert-amyl ether (MTAE) is intended for use as a high-octane component of motor gasoline and for export

**Conclusion: Methyl-tert-amyl ETHER (MTAE) grade A complies with the requirements:**

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The manufacturer guarantees the conformity of the quality of the products with the rowing products of this standard, subject to the conditions of transportation and storage

L.S. Specialist /signature/ E.I. Egorova  
(signature) (surname, initials)  
 /seal /Russian Federation\* Samara Region\*  
 Novokuibyshevsk, Joint Stock Company  
 “Novokuibyshevsk Petrochemical Company “  
 For documents\*/ 31.12.2021