



## QUALITY CERTIFICATE No. 300

### Technical and synthetic ethyl alcohol

### GOST R 52574-2006 with amendments No. 1, 2 EXPORT

<b>Date of manufacture</b>	December 30, 2021	<b>NET weight</b>	62053 kg
<b>Date of sampling</b>	December 30, 2021	<b>Net volume</b>	7847,24 dal measures
<b>Testing date</b>	December 30, 2021	<b>Rail tank car No.</b>	55729016

The tests were carried out at the Test Center – Quality Control Department of NNK JSC  
Certificate of accreditation No. ROSS RU.0001.515720 Date of information entry into the register of accredited entities July 29, 2015.

Item No.	Name of the indicator	Norm	Actual	Testing method
1	Overall view	Colorless transparent liquid without mechanical impurities	Colorless transparent liquid without mechanical impurities	GOST R 52574-2006, cl. 7.3
2	Volume fraction of ethyl alcohol, %	not less than 92.5	99.8	GOST 3639-79 cl. 2.1
3	Mass concentration of acids as equivalent of acetic acid, mg/dm <sup>3</sup>	not more than 7	6	GOST R 57251-2016, cl. 11
4	Volume fraction of acetaldehyde, %	not more than 0.7	0.3	GOST ISO-52574-2006, cl. 7.6
5	Volume fraction of crotonaldehyde, %	not more than 0.15	less than 0.1	
6	Volume fraction of diethyl ether, %	not more than 1.0	0.1	
7	Mass concentration of dry residue, mg/dm <sup>3</sup>	not more than 5	5	GOST R 57251-2016, cl. 4

### Conclusion: Ethyl alcohol synthetic technical denatured meets the requirements:

- GOST R 52574-2006 with amendments No. 1, 2

The manufacturer guarantees the product quality conformance with this standard, subject to meeting the transportation and storage conditions.

Warranty period of storage: 1 year from the date of manufacture.

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L.S. Specialist \_\_\_\_\_ /signature/  
(signature)

E.I. Egorova  
(surname, initials)

Certificate issue date: December 31, 2021

/stamp /Russian Federation Samara Region\*  
Novokuibyshevsk\* Joint Stock Company Novokuibyshevsk  
Petrochemical Company\*  
For documents\*/