



## QUALITY CERTIFICATE No. 1

### Alpha-methylsterol fraction is a byproduct of phenol and acetone production TU 2415-001-55918251-2002 with amendments No. 1, 2

**Date of manufacture** 18.01.2021 **Product tank No.** 41/1  
**Date of sampling** 19.03.2021 **Net weight** 55,050 kg  
**Test date** 19.03.2021 **Railroad tank car No.** 50001130

The tests were carried out at the Test Center - Quality Control Department of JSC NNK

Item No.	Name of the indicator	Norm	Actual	Testing method
1	Overall view	Colorless or faintly yellow liquid	Colorless liquid	TU 2415-001-55918251- 2002, cl. 5.3
2	Density at 20 °C, g/cm <sup>3</sup>	minimum 0.883	0.879	GOST-18995.1
3	Refractive index at 20 °C	1.5100-1.5300	1.5043	GOST-18995.2
4	Mass fraction of components: total of a-methylstyrene and isopropylbenzol, %	minimum 96.0	96.42	TU 2415-001-55918251- 2002, cl. 5.6
5	Mass fraction of phenol, %	maximum 0.005	0.0006	TU 2415-001-55918251- 2002, cl. 5.7
6	Mass fraction of acetone, %	not more than 0.2	0.006	TU 2415-001-55918251- 2002, cl. 5.6

**Conclusion: Alpha-methylsterol fraction, a byproduct of phenol and acetone production, conforms to the requirements of:**

TU 2415-001-55918251-2002 with amendments No. 1, 2  
in agreement with the consumer according to clause 2, 3

The manufacturer guarantees the product quality conformance with this standard, subject to meeting the terms and conditions of transportation and storage.  
Warranty storage period is 1 month from the date of manufacture.

Specialist

signature  
(signature)

O.S. Feklina  
(surname, initials)

Stamp here

Certificate issue date: 19.03.2021

**Stamp:** For documents  
Novokuibyshevsk Petrochemical Company Joint Stock Company