



QUALITY CERTIFICATE NO. 3  
ALPHAMETHYL STYRENE FRACTION -  
by-product of phenol-acetone production  
TS 2415-001-55918251-2002 with rev. 1,2.

Date of production: 15.08.2019

Product vessel no.41/1

Sampling date 15.08.2019

Net weight - 57977 kg

Date of testing: 15.08.2019

Rail tank car no. 52130598

The tests were carried out in the Test Center - Quality Control Department of Novokuybyshevsk Petrochemical Company JSC

| Indicator Name  | Standard                            | Actually         | Test method                                     |
|---|-------------------------------------|------------------|---|
| 1 General view  | Colorless or slightly yellow liquid | Colorless liquid | TS 2415-001- 55918251-2002 with rev. 1,2 Cl.5.3 |
| 2 Density at 20°C, g/cm <sup>3</sup>  | 0,883 min                           | 0,874            | GOST 18995.1.                                   |
| 3 Refractive index at 20°C  | <b>1,5100-1,5300</b>                | <b>1,5002</b>    | GOST 18995.2                                    |
| 4 Mass fraction of components:<br>sum of alpha-methylstyrene and isopropylbenzene,% | not less than 96,0                  | <b>95,8</b>      | TS 2415-001- 55918251-2002 with rev. 1,2 Cl.5.6 |
| 5 Mass fraction of phenol, %  | 0.005 max                           | 0.001            | TS 2415-001- 55918251-2002 with rev. 1,2 Cl.5.7 |
| 6 Mass fraction of acetone, %   | 0.2 max                             | 0,1              | TS 2415-001- 55918251-2002 with rev. 1,2 Cl.5.6 |

The product complies with the requirements of TS 2415-001-55918251-2002 with rev. 1,2 under Cl. No. 2, 3, 4 / /