

Novokuibyshevsk Petrochemical Company Joint Stock Company
Russian Federation, Samara region, Novokuibyshevsk town
Email address: nnk@nnk.rosneft.ru, tel.(846-35) 3-02-20

Certificate of Quality Management System for compliance with the requirements of
ISO 9001: 2015 No. FM 696147. The certificate is valid until: October 17, 2021



QUALITY CERTIFICATE No.
ALUMINIUM CHLORIDE
STO Standard 91051486-012-2012
Grade A

Date of manufacture:
Sampling date:
Testing date:

Product vessel No.
Net weight, kg
Tank car no.

The tests have been conducted in the Test Center – Quality Control Department of NPC JSC

Indicator name	Normal value	Measured value	Test method
1 Appearance	Slightly yellow or grey liquid, free of mechanical impurities	Slightly yellow liquid, free of mechanical impurities	STO Standard 91051486-012-2012 p. 7.3
2 Mass fraction of the basic substance expressed as AlCl ₃ , %	17-27		STO Standard 91051486-012-2012 p. 7.4
3 Mass fraction of free hydrochloric acid, %	no more than 0.65		STO Standard 91051486-012-2012 p. 7.5
4 Organic impurities content, g/dm ³	no more than 0.035		STO Standard 91051486-012-2012 p. 7.6
5 Suspended substances content, g/dm ³	no more than 0.5	none	STO Standard 91051486-012-2012 p. 7.7

The Product complies with the requirements of STO Standard 91051486-012-2012, Grade A

Stamp here

Specialist

Date of issue of certificate:

(signature)

(surname, initials)