



**QUALITY CERTIFICATE No.**  
**ALUMINIUM CHLORIDE**  
**Industry 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	Industry Standard 91051486-0122012 p. 7.3
2 Mass fraction of the basic substance expressed as AlCl <sub>3</sub> , %	17-27		Industry Standard 91051486-0122012 p. 7.4
3 Mass fraction of free hydrochloric acid, %	no more than 0.65		Industry Standard 91051486-0122012 p. 7.5
4 Organic impurities content, g/dm <sup>3</sup>	no more than 0.035		Industry Standard 91051486-0122012 p. 7.6
5 Suspended substances content, g/dm <sup>3</sup>	no more than 0.5	none	Industry Standard 91051486-0122012 p. 7.7

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

**Stamp here**

Specialist

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(surname, initials)

Date of issue of certificate: