



Angarsk Petrochemical Company Joint-Stock Company  
 Legal address:  
 665800, Irkutsk region, Angarsk, First industrial massif, block 63, building 2. Production Site:  
 Irkutsk region, Angarsk  
 e-mail: delo@anhk.rosneft.ru, t. 577-002

ISO 9001:2015 Quality Management System Certificate No. 19.2132.026  
 Certificate is valid until: 14.11.2022  
 ISO/TS 29001:2010 NO. 19.2140.026  
 Certificate is valid until: 14.11.2022

Testing Center - Quality Control Division  
 Angarsk Petrochemical Company Joint-Stock Company  
 665830, Irkutsk region, Angarsk, the territory of JSC ANHK  
 e-mail: of61@anhk.rosneft.ru tel. (39551 575-423

**CERTIFICATE No. 168**  
**Technical liquid ammonia.**

Designation of documents establishing requirements for products:  
 STO 05742746-008-2014 "Technical liquid ammonia. Technical Specifications"  
 OKPD2 code 20.15.10 130  
 Batch No.: 168  
 Date of production: 12.12.2019  
 Size (weight) of the batch: 27.622 t  
 Place of sampling (under GOST 6221-90): Pipeline No.9575  
 Sampling date: 12.12.2019  
 Date of testing: 12.12.2019  
 The certificate is issued on the basis of: the test report of 12.12.2019, No.1714-250301/PK

No.	Indicator Name	Method of testing	Standard acc. to STO 05742746-008-2014	Actual Value
1	Mass fraction of ammonia, %	GOST 6221-90 Cl. 3.2	<b>99.6 min</b>	99.9
2	Mass fraction of nitrogen in ammonia, %	GOST 6221-90 Cl. 3.3	<b>82 min</b>	<b>82.2</b>
3	Mass fraction of water (residue after evaporation), %	GOST 28326.1-89	0.4 max	less than 0.15
4	Mass concentration of oil, mg / dm <sup>3</sup>	GOST 28326.4-89	not standardized	Less than 0.2
5	Mass concentration of ferrum, mg/dm <sup>3</sup>	GOST 28326.5-89	not standardized	Less than 0.25
6	Mass fraction of total chlorine, ppm (mg / kg)	GOST 28326.6-89	not standardized	RUB 0.5
7	Mass fraction of carbon monoxide, (IV) ppm (mg / kg)	GOST 28326.7-89	not standardized	<b>35.0</b>

**Conclusion:** Technical liquid ammonia meets the requirements:  
 - STO 05742746-008-2014 "Technical liquid ammonia. Technical Specifications"

**Additional information:**

Transportation and storage according to STO 05742746-008-2014.  
 Warranty period of storage: 1 year from the date of manufacture.  
 The manufacturer guarantees the compliance of the quality of Technical liquid ammonia with the requirements of this standard, provided the conditions of transportation and storage.  
 - Safety Data Sheets No. 05742746.21.38247.

Tank car No.



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Attachment to the certificate No. 168 dated 13.12.2019

**Technical liquid ammonia.**

STO 05742746-008-2014 "Technical liquid ammonia. Technical Specifications"

No. No.	Designation of a legislative act, a regulatory document or a set of rules	Information required for product description		
		Indicator Name	Test method	Actual value
1	Tax Code of the Russian Federation, article 181, subclause 11	Aggregate state at a temperature of 20 ° C and a pressure of 760 mm Hg	—	Gaseous
		Refinery Process Name	-	