



Joint Stock Company Angarsk Petrochemical Company
Legal address:
665800, Irkutsk region, Angarsk, Pervyi industrial area, block 63, bld. 2
Place of manufacture:
Irkutsk region, Angarsk
E-mail: delo@anhk.rosneft.ru, tel. (3955) 578-404, 577-002

Certificate of Quality Management System ISO 9001:2015 No. 19.2132.026
Certificate validity period: through 14.11.2022
ISO/TS 29001:2010 No. 19.2140.026
Certificate validity period: through 14.11.2022

Test Center - Quality Control Division, Joint Stock Company Angarsk Petrochemical Company
665830, Irkutsk region, Angarsk, territory of JSC Angarsk Petrochemical Company
e-mail: of61@anhk.rosneft.ru. tel. (3955) 575-423

QUALITY CERTIFICATE No. 2 Premium water solution of dimethylamine

Documents establishing technical specifications for the products:
Industry Standard CTO 05742746-007-2012, Dimethylamine, water solution Technical specifications
OKPD2 code 20 14 41.110
Batch number: 2
Date of manufacture 24.03.2021
Batch size (mass): 39.888 t
Sampling site (according to procedure instruction MI 465-2012): Tank No. E-4
Date of sampling: 24.03.2021
Test date: 24.03.2021
The certificate was issued on the basis of test results dated 24.03.2021 No.1218-250102/ПК

No.	Indicator	Test method	Standard value according to Industry standard 05742746-007-2012	Actual value
1	Overall view	visually	colorless solution	colorless solution
2	Mass content of dimethylamine, %	MI No. 465-2012		
	from April 1 through October 1		within 21-29	-
	from April 1 through October 1		within 41-49	42
3	Mass fraction of monomethylamine expressed as anhydrous amines, %	MI No. 465-2012	no more than 0.3	0.2
4	Total fraction of monomethylamine expressed as anhydrous amines, %	MI No. 465-2012	no more than 0.6	0.4
5	Mass fraction of ammonia	MI No. 465-2012	absent	absent

Conclusion: Premium water solution of dimethylamine **meets the technical specifications of:**
- Industry Standard CTO 05742746-007-2012, Dimethylamine, water solution Technical specifications

Additional Information:

Transportation and storage - according to Industry Standard 05742746-007-2012
The manufacturer, JSC Angarsk Petrochemical Company, guarantees that the quality of Dimethylamine, water solution meets the technical specifications of Industry Standard 05742746-007-2012, subject to the terms and conditions of transportation according to Industry Standard 05742746-007-2012.
- Safety Data Sheet No. 05742746.20.53459.

Shift supervisor of the shop

_____/signature/

S.A. Andrusenko

Certificate issue date 24.03.2021

L.S.

Accepted for shipment by the
Logistics Support Department
JSC RN-TRANS

/ barcode /

/ seal/ for product certificates 5 * JSC Angarsk Petrochemical Company *For products quality certificates* 5



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Appendix to Certificate No. 2 dated 24.03.2021
Premium water solution of dimethylamine

Industry Standard CTO 05742746-007-2012, Dimethylamine, water solution Technical specifications.

Item No.	Legislative act, regulatory document or code of practice	Information required for the product description		
		Indicator	Test method	Actual value
1	Tax Code of the Russian Federation, Article 181, item 181 pp.11	The aggregate state at 20°C and a pressure of 760 mm Hg.	-	liquid aggregate state
		Process name	-	

Shift Supervisor _____ /signature/ _____ S.A. Andrusenko