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JSC Angarsk Petrochemical Company
Legal address:
665800, Irkutsk region, Angarsk, Pervyi industrial area, block 63, bld. 2
Place of manufacture:
Irkutsk region, Angarsk city
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: until November 14, 2022
ISO/TS 29001:2010 No. 19.2140.026
Certificate validity period: until November 14, 2022

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

CERTIFICATE No. 2 Crude Methanol

Documents establishing product specifications:

TU 113-05-323-77 "Crude Methanol"

OKPD2 code 20.14.22.111

Batch number: 2

Date of manufacture: January 11, 2021

Batch size (mass): 85.944 t

Sampling site (according to GOST 2517): Tank No. E-3

Date of sampling: January 22, 2022

Testing date: January 22, 2022

The certificate was issued on the basis of test results dated January 22, 2022 No. 386-250101/ПК

No.	Indicator description	Testing method	Norm according to TU 113-05-323-77	The actual value
1	Overall view	cl. 4.1 TU 113-05-323-77	Colorless or slightly colored liquid without mechanical impurities	Colorless transparent liquid without insoluble impurities
2	Density at 20 °C, g/cm ³	GOST 18995.1-73 Section 1	not more than 0,818	0.809
3	Mass fraction of water, %	Section 2 GOST 14870-77	not more than 9,0	8.9
4	Mass fraction of the organic part, %	cl. 4.4 TU 113-05-323-77	not less than 91.0	91.1
5	pH (medium)	cl. 4.5 TU 113-05-323-77	not less than 7.0	8.3

Conclusion: Crude methanol **meets the requirements:**

- TU 113-05-323-77 "Crude Methanol"

Additional Information:

Transportation and storage – according to TU 113-05-323-77. The manufacturer JSC ANHK guarantees compliance with the quality of Crude methanol, subject to the conditions of acceptance, transportation and storage according to TU 113-05-323-77 for 2 years from the date of manufacture.

- safety data sheet No. 05742746.20.46512

Shift Supervisor of petrochemical
production (PCP) shop 39/61

Podashev L.I.

L.S.

Certificate issue date January 22, 2022

Accepted for shipment

****4878339+865110I***

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Appendix to Certificate No. 2 dated January 22, 2022
Crude Methanol

TU 113-05-323-77 "Crude Methanol"

No.	Legislative act, regulatory document or set of rules	Information required for the product description		
		Name of the indicator	Testing method	The actual value
1	Decision of the Council of the Eurasian Economic Commission dated September 14, 2021 No. 80 "On Approval of the Eurasian Economic Union's Commodity Nomenclature of Foreign Economic Activity of the Eurasian Economic Union and the Unified Customs Tariff of the Eurasian Economic Union"	The aggregate state at 20 °C and a pressure of 760 mm Hg.		liquid aggregate state
		The mass fraction of methyl tert-butyl ether and (or) other ethers and (or) alcohols is at least 85 percent by weight, %	cl. 4.4 TU 113-05-323-77	91.1

Process name

Shift Supervisor of petrochemical production
(PCP) shop 39/61

Podashev L.I.