



ROSNEFT



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

Certificate of Quality Management System ISO 9001:2015 No. 16.1675.026  
 Certificate validity period: until November 14, 2019  
 ISO/TS 29001:2010 No. 16.1687.026  
 Certificate validity period: until November 14, 2019

Testing center – Quality Control Department  
 Joint Stock Company Angarsk Petrochemical Company  
 665830, Irkutsk region, Angarsk, territory of JSC Angarsk Petrochemical Company  
 e-mail: [of61@anhk.rosneft.ru](mailto:of61@anhk.rosneft.ru), tel. (3955) 575-423

## PASSPORT No. 5 Crude Methanol

Designation of documents that establish requirements for products:  
 TU 2421-322-05742746-97 "Crude Methanol Technical requirements"  
 OKPD2 Code 20.14.22.111  
 Batch number: 5  
 Date of manufacture: October 29, 2019  
 Lot size (mass): 1166.426 t  
 sampling site (according to GOST 2517): Tank No. 1  
 Date of sampling: October 29, 2019  
 Test date: October 30, 2019  
 The passport was issued on the basis of test results dated October 29, 2019 No. 2654-250101/ПК

No.	Indicator description	Testing method	Norm according to TU 2421-322-05742746-97	The actual value value
1	Overall view	cl. 5.1 TU 2421-322-05742746-97	colorless or slightly colored liquid without mechanical impurities	colorless transparent liquid, without mech. impurities
2	Density at 20 °C, kg/cm <sup>3</sup>	GOST-18995.1-73	not more than 0.825	0.813
3	Mass fraction of water, %	Section 2, GOST 14870-77	not more than 12.0	7.3
4	Mass fraction of the organic part, %	cl. 5.3 TU 2421-322-05742746-97	not less than 88.0	92.7
5	pH (medium)	Instructions for the pH-meter	not less than 5.0	5.3

**Conclusion:** Crude methanol **meets the requirements:**  
 - TU 2421-322-05742746-97 "Crude Methanol Technical requirements"

**Additional Information:**

Highly hazardous flammable liquid. Maximum Permissible Concentration of harmful substance in the working zone area 5 mg/m<sup>3</sup>. Hazard class 3. Guaranteed shelf life – two years from the date of manufacture, Safety Data Sheet No. 05742746.20.51312

**"Poison", "Flammable!"**

Shift Supervisor of the petrochemistry production (PCP) shop 39/61 \_\_\_\_\_ /signature/ Litvinov A.V.

L.S.

Passport issue date October 30, 2019

L.S.

/barcode/

/ Stamp/: for product certificates 1 \* JSC Angarsk Petrochemical Company

Accepted for shipment by the Logistics Support Department  
**RN-Trans JSC.**



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**Annex to the Quality Certificate No. 5 dated October 30, 2019  
Crude Methanol**

TU 2421-322-05742746-97 "Crude Methanol Technical requirements"

Item No.	Designation of a 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 July 16, 2012 No. 54 "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 a temperature of 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. TU 5.3 2421-322-05742746-97	92.7
		Processing name		

Shift Supervisor of the  
petrochemistry production (PCP)  
shop 39/61

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/signature/

Litvinov A.V.

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