



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 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 14.11.2022
ISOATS 29001:2010 No. 19.2140.026
Certificate validity period: until 14.11.2022

Testing 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

CERTIFICATE No. 314 B Grade C4 fraction raffinate

Designation of documents that establish requirements for products:

STO 05742746-011-2014 "C4 fraction raffinate. Specifications"

OKPD Code 2 19.20.32.119

Batch number: 314

Date of manufacture: 28.10.2021

Batch size (mass): 53.329 t

Sampling site (according to GOST 14921-2018): Tank No. E-5

Date of sampling: 28.10.2021

Test date: 28.10.2021

The certificate was issued on the basis of test results dated 28.10.2021 No. 4812-250102/PC

No.	Name of the indicator	Method method	Norm according to GOST 8050-85	Actual value
1	Mass fraction of components, %:			
1.1	the amount of unsaturated hydrocarbons	GOST 10679-2019	maximum 80.0	50.3
1.2	the amount of C3 hydrocarbons	GOST 10679-2019	not standardized	0.4
1.3	the amount of C4 hydrocarbons	GOST 10679-2019	minimum 95.0	99.3
1.4	n-butane	GOST 10679-2019	not standardized	15.1752
1.5	isobutane	GOST 10679-2019	not standardized	33.9519
1.6	butadiene - 1.3	GOST 10679-2019	maximum 0.5	0.1556
1.7	amount of methyl tert-butyl ether, methanol	MI-476-2011	maximum 0.10	Less than 0.010

Conclusion: B Grade C4 fraction raffinate **meets the requirements:**

- STO 05742746-011-2014 "C4 fraction raffinate. Specifications"

Additional Information:

Transportation and storage - according to GOST 1510. The manufacturer of JSC Angarsk Petrochemical Company guarantees that the quality of the C4 grade B raffinate meets the requirements of STO 05742746-011-2014, subject to the conditions of transportation and storage according to GOST 1510 within 3 months from the date of manufacture.

- safety data sheet No. 05742746.19.61674

Shift supervisor /signature/ S.A. Andrusenko

Stamp here

Certificate issue date: 28.10.2021

Round stamp:
/ ANGARSK PETROCHEMICAL COMPANY JSC
For product certificates 5 /

Rectangular stamp:
/ Accepted for shipment
by the Logistics Department of
RN-TRANS JSC /





РОСНЕФТЬ

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Appendix to Certificate No. 314 dated 28.10.2021
B Grade C4 fraction raffinate

STO 05742746-011-2014 "C4 fraction raffinate. Specifications"

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	Tax Code of the Russian Federation, Article 181, sub-item 11	The aggregate state at 20 °C and a pressure of 760 mm Hg.	-	gaseous
		Processing name	-	

Shift supervisor /signature/ S.A. Andrusenko