



Joint Stock Company Angarsk Polymer Plant
Legal address:
665800, Irkutsk region, Angarsk, Pervyi industrial area, block 8, building 5
e-mail: secr@azp.ru Tel.: 8(3955) 573-000, 577-612

The products were manufactured under control established in the integrated management system certified by the Russkiy Registr Certification Association in accordance with the requirements of ISO 9001:2015, ISO 14001:2015, OHSAS 18001:2007 Certificates Nos. 18.0777.026, 18.0779.026, 18.0778.026.

Test Center, Central Plant Laboratory- laboratory for servicing the production of styrene and ethylbenzene
665830, Irkutsk region, Angarsk, First industrial area, quarter 36, building 1
Joint Stock Company Angarsk Polymer Plant
e-mail: secr@azp.ru t/f.8(8 (3955)) 574-184, 577-97

CERTIFICATE No. 7

Ethylbenzene technical, premium

OKPD2 code 20.14.12.170

Batch number: 7

Date of manufacture: March 30, 2020

Batch size (mass): 45.007 t

Sampling site (according to GOST 2517): Tank No. E-14

Date of sampling: March 30, 2020

Test date: March 30, 2020

The passport was issued on the basis of: test results dated March 30, 2020 No. 7-Eb



No.	Indicator description	Testing method	Norm As to GOST 93852013	Actual value
1	Overall view	cl. 7.3, GOST 93852013	colorless transparent liquid	colorless transparent liquid
2	Reaction of aqueous extract	cl. 7.4, GOST 93852013	Neutral	neutral
3	Density at 20 °C, g/cm ³	GOST 18995.1 -73 or ASTM D 40522015	0.866–0.870	0.866
4	Mass fraction of ethylbenzene, %, not less than	cl. 7.5, GOST 93852013	99.80	99.90
5	Mass fraction of diethylbenzene, %, not more than	cl. 7.5 and cl. 7.6, GOST 9385-2013	0.0005	Less than 0.0001
6	Mass fraction of isopropylbenzene, %, not more than	cl. 7.5, GOST 93852013	0.01	0.005
7	Mass fraction of sulfur, %, not more than	GOST-13380-81	0.0003	-
8	Mass fraction of iron, %, not more than	GOST 10555-2016 and cl. 7.7 GOST 93852013	0.00001	-
9	Mass fraction of chlorine, not more than	cl. 7.8 and cl. 7.9, GOST 9385-2013	0.0005	less than 0.0001

Notes:

1. Mass fractions of sulfur and iron are determined only in ethylbenzene intended for the production of propylene oxide.
2. The indicators "mass fraction of sulfur" and "mass fraction of iron" are determined by the manufacturer at the request of the consumer.

Conclusion:

Ethylbenzene technical, premium grade **meets the requirements:**
- GOST 9385-2013 "Technical ethylbenzene. Specifications"

Additional Information:

- transportation and storage – in accordance with the rules for the transportation of liquid cargo in bulk in tank cars and bunker-type cars for the transportation of oil bitumen. Appr. by Council for Railway Transport of the Commonwealth Member States, Protocol dated May 21–22, 2009 No. 50.
- warranty period of storage – 1 year from the date of production.
- safety data sheet No. 46693089.24.40950. Valid through February 12, 2021

L.S.

Operator of the Section of Raw Material Preparation and Issue of Intermediates and Products,
5th Category _____
Passport issue date

Uskova A.V.
(Power of Attorney No. A3II-156/20 dated March 3, 2020)
March 30, 2020