



PETROHEMIJA

C₄ FRACTION

PRODUCTION:

The fraction of unsaturated C₄ i C₅ hydrocarbons is separated within the debutanizer column, which is fed by the steam from the bottom of the depropanizer stripper.

DESCRIPTION:

The C₄ fraction, a mix of saturated and unsaturated hydrocarbons, is colourless and flammable liquid. The composition of C₄ fraction includes most of all 1,3-butadiene, isobutene and butene-1.

SPECIFIED PROPERTIES:

No	PROPERTY	TEST METHOD	UNIT	VALUE
1.	1,3-butadiene	SRPS H.B9.100	% (m/m)	min 43 max 60
2.	Izobutene	SRPS H.B9.100	% (m/m)	min 25 max 42
3.	1- butene	SRPS H.B9.100	% (m/m)	min 1 max 15
4.	C ₃ - fraction	SRPS H.B9.100	% (m/m)	max.0,7
5.	C ₅ - fraction	SRPS H.B9.100	% (m/m)	max 0,3
6.	n-butane	SRPS H.B9.100	% (m/m)	min 0,5 max 15
7.	Izobutane	SRPS H.B9.100	% (m/m)	min 0,3 max 6
8.	trans-2- butene	SRPS H.B9.100	% (m/m)	max 5
9.	cis-2-butene	SRPS H.B9.100	% (m/m)	max 4
10.	1,2 butadiene	SRPS H.B9.100	% (m/m)	max 0,5
11.	Vinyl-acetylene	SRPS H.B9.100	% (m/m)	max 2,5
12.	Ethyl-acetylene	SRPS H.B9.100	% (m/m)	max 2
13.	Methyl-acetylene	SRPS H.B9.100	% (m/m)	max 0,4

SRPS – National Standard Method

The values given in the table are for informative proposes.

APPLICATION:

C₄ fraction is used for the separation of pure components which are further applied in the production of synthetic rubber, latexpaints, synthetic resins, styren-butadiene, polybutadiene rubber, nitrile rubber, ABS, etc.

BASIC PRODUCTS

STORAGE:

C₄ fraction is stored in spherical tanks. The construction and material for making these tanks have to be in compliance with the regulations concerning the storage of liquefied, flammable gases.

TRANSPORTATION:

C₄ fraction is transported by rail tank cars subject to the requirements for liquefied gases transportation. These rail tank cars have to be attested at the lowest test pressure of 10 bar. Internal test pressure at 15 °C have to be 1.5 times higher than the lowest test pressure. The maximum allowable weight for charging is 0,50 kg/l tank volume.

REACH:

HIP Petrohemija, with applying the existing standards ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO 50001:2011, follows completely the highest standards by which there are regulated human health and safety protection and environmental protection and herewith expresses its intention to meet all the requirements which are prescribed by REACH regulation.

Registration of all the substances of potential export interest has been made with European Agency for Chemicals in Helsinki, in accordance with the prescribed deadlines, therefore in this way it enables further undisturbed placement and sale of HIP Petrohemija's products without any limits at EU Market.

As the only representative for „HIP Petrohemija“ a.d. in EU, pursuant to Article 8. of REACH regulation, there has been designated REACH Law Ltd, Helsinki, Finland.

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