TECHNICAL SHEET

PROPYLENE GLYCOL

E Ph GRADE

Last revision 2016

Chemical Name: Molecular formula: $C_3H_8O_2$
No. CAS: 57-55-6
Abbreviation: PG –E Ph

General Description:

Propylene Glycol E Ph Grade is a clear, viscous, colorless, hygroscopic liquid, with a characteristic odor. The product is very easily soluble in alcohol, water, acetone and chloroform.

Technical Quality Conditions:

Characteristics	MU	Values	Test methods
Propylene Glycol, min	%	99.5	ILL-003/3-01-17
Identification: - relative density ,d_4^{20}	-	1.035-1.040	E Ph 8:2014 pct.2.2.5.
- refraction index, n_D^{20}	-	1.431–1.433	E Ph 8:2014 pct. 2.2.6.
- boiling point	^{0}C	184 - 189	E Ph 8:2014 pct. 2.2.12.
- melting point	^{0}C	121 - 128	E Ph 8 2014: 0430 – D pct. 22.14
Appearance	-	clear, colorless liquid	E Ph 8:2014 pct. 2.2.1 E Ph 8:2014 pct. 2.2.2. method II
Acidity , max	ml NaOH 0,1M	0.05	E Ph 8:2014: 0430
Oxidizers, max	ml $Na_2S_2O_3$ 0,05M	0.2	E Ph 8:2014: 0430.
Reducers	-	complies	E Ph 8:2014: 0430
Heavy metals, max	ppm	5	E Ph 8:2014 pct .2.4.8.
Water, max	%	0.2	E Ph 8:2014 pct .2.5.12
Sulphate ash	%	0.01	E Ph 8:2014 pct .2.4.14

Specific Properties:

Ignition temperature	99 °C

The specific properties present approximate values and contain general information, without being part of the technical quality conditions.

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Main Applications:

Propylene Glycol E Ph Grade is used as feedstock in cosmetic and pharmaceutical industries:

Packing and storage:

Propylene Glycol E Ph Grade is packed in stainless steel tanks, carbon steel drums provided with proper inner protection and polyethylene packagings of different capacities, tightly sealed.

It is stored in tightly closed containers under nitrogen blanket, in cold, dry, ventilated places, away from heat, moisture, UV rays and incompatible materials. The recommended storage temperature is between 15-30 ° C. Generally it is recommended that the temperature does not exceed +40° C.

Safety Considerations:

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in MSDS and on the product label.

Attention:

Please contact OLTCHIM to see if the document has been revised and for any other additional information related to the product.

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