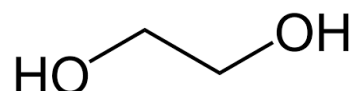


## Product Specification

Product Name:

**Ethylene glycol PurReagent Plus, Meets analytical specifications of EP, ≥99.5%**

Product No.: PSR1030  
Brand: PureSynth  
CAS No.: 107-21-1  
Molecular Formula: C<sub>2</sub>H<sub>6</sub>O<sub>2</sub>  
Molecular Weight: 62.07 g/mol



Test	Specification
Appearance	Colorless Liquid
Assay (By GC)	≥ 99.5 %
Water (By KF)	NMT 0.1 %
Density (D 20/4)	1.113-1.115 g/cm <sup>3</sup>
Refractive Index (N 20/D)	1.430-1.432
Boiling Point	195 – 197 °C
Sulfated Ash	MT 0.005 %
Free Acid (as CH <sub>3</sub> COOH)	MT 0.001 %
Aluminium (Al)	MT 0.5 ppm
Barium (Ba)	NMT 0.1 ppm
Bismuth (Bi)	NMT 0.1 ppm
Calcium (Ca)	NMT 0.5 ppm
Cadmium (Cd)	NMT 0.05 ppm
Cobalt (Co)	NMT 0.02 ppm
Chromium (Cr)	NMT 0.02 ppm
Copper (Cu)	NMT 0.02 ppm
Iron (Fe)	NMT 0.2 ppm
Potassium (K)	NMT 0.5 ppm
Lithium (Li)	NMT 0.1 ppm
Magnesium (Mg)	NMT 0.1 ppm
Manganese (Mn)	NMT 0.05 ppm
Molybdenum (Mo)	NMT 0.1 ppm
Sodium (Na)	NMT 1 ppm
Nickel (Ni)	NMT 0.02 ppm
Lead (Pb)	NMT 0.1 ppm
Strontium (Sr)	NMT 0.1 ppm
Zinc (Zn)	NMT 0.2 ppm
Chloride (Cl)	NMT 0.2 ppm
Sulfate (SO <sub>4</sub> )	NMT 10 ppm
Formaldehyde	NMT 50 ppm

The information represented here may/may not represent the entire product specification and application recommended by PureSynth Research Chemicals. This information is for the user scientists or trading community as a guide in their applications. The company claims no liability for misuse resulting due to wrong usage of the information above.  
For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)

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Kmno<sub>4</sub> Reducing Matter  
Color (By APHA)  
Identification by IR

NMT 0.0003 %  
NMT 25  
Conforms to Structure

Specification: PR-1.0-QA/556

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