



**PRODUCT SPECIFICATION SHEET**  
**ETHYLENE GLYCOL**  
**HIGH PURITY / LOW IRON & CHLORIDE**

Main Catalog #: 371000GMP -Size Code\*

\*Refer to Master Price List – Individual package sizes have unique size codes

<b>TEST</b>	<b>SPECIFICATION</b>	<b>TYPICAL RESULT</b>
Appearance	Clear, viscous liquid	Pass
Identification by IR	Conforms to Reference Spectra	Conforms
Monoethylene Glycol, wt %	99.9% min.	>99.9%
Diethylene Glycol, wt %	0.05% max.	0.01%
Residue after Ignition (Ash), wt %	<0.005%	<0.001%
Acidity (as acetic acid), wt %	0.003% max.	<0.001%
Color (APHA)	<10	1
Total Chlorides	0.2 ppm max.	<0.1 ppm
Iron	0.1 ppm max.	0.01 ppm
Water	0.05% max.	0.02%

**Permitted Concentrations of Elemental Impurities Following Option 1 Guideline in drug products, drug substances and excipients**

<b>Element</b>	<b>Class</b>	<b>Oral Concentration µg/g</b>	<b>Parenteral Concentration µg/g</b>	<b>Inhalation Concentration µg/g</b>	<b>RESULT (in µg/g) (ppm)</b>
Cd (Cadmium)	1	0.5	0.2	0.2	0.00
Pb (Lead)	1	0.5	0.5	0.5	0.00
As (Arsenic)	1	1.5	1.5	0.2	0.00
Hg (Mercury)	1	3	0.3	0.1	0.00
Co (Cobalt)	2A	5	0.5	0.3	0.00
V (Vanadium)	2A	10	1	0.1	0.00
Ni (Nickel)	2A	20	2	0.5	0.00
Tl (Thallium)	2B	0.8	0.8	0.8	0.00
Au (Gold)	2B	10	10	0.1	0.00
Pd (Palladium)	2B	10	1	0.1	0.00
Ir (Iridium)	2B	10	1	0.1	0.00
Os (Osmium)	2B	10	1	0.1	0.00
Rh (Rhodium)	2B	10	1	0.1	0.00
Ru (Ruthenium)	2B	10	1	0.1	0.00
Se (Selenium)	2B	15	8	13	0.00
Ag (Silver)	2B	15	1	0.7	0.00
Pt (Platinum)	2B	10	1	0.1	0.00
Li (Lithium)	3	55	25	2.5	0.00
Sb (Antimony)	3	120	9	2	0.00
Ba (Barium)	3	140	70	30	0.00
Mo (Molybdenum)	3	300	150	1	0.00
Cu (Copper)	3	300	30	3	0.00
Sn (Tin)	3	600	60	6	0.00
Cr (Chromium)	3	1100	110	0.3	0.00

Form Ethylene Glycol, GMP, Rev. 1.7, 06/18, EF

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.