

Propylene Glycol, U.S.P.
Multi-Compendial



Material No.: 9403-07

Revision No.: 0

Product Specification

Meets B.P. Chemical Specifications, Meets J.P. Chemical Specifications, Meets U.S.P Requirements, Meets E.P. Chemical Specifications, GMP Manufactured Product

Test	Specification
USP - Specific Gravity at 25°/25°C	1.035 - 1.037
USP - Acidity	Passes Test
USP - Identification A (IR)	Passes Test
USP - Identification B - Diethylene Glycol	≤ 0.10 %
USP - Identification B - Ethylene Glycol	≤ 0.10 %
USP - Identification C	Passes Test
USP - Residue on Ignition	≤ 0.007 %
USP - Chloride (Cl)	≤ 0.007 %
USP - Sulfate (SO ₄)	≤ 0.006 %
USP - Assay (CH ₃ CHOHCH ₂ OH)	≥ 99.5 %
Endotoxin Concentration (EU/g)	≤ 2.5
EP/BP - Relative Density (d ₄ ²⁰)	1.035 - 1.040
EP/BP - Refractive Index at 20°C	1.431 - 1.433
EP/BP - Identification A	Passes Test
EP/BP - Identification B	Passes Test
EP/BP - Identification C	Passes Test
EP/BP - Identification D	Passes Test
EP/BP - Appearance	Passes Test
EP/BP - Acidity	Passes Test
EP/BP - Oxidizing Substances	Passes Test
EP/BP - Reducing Substances	Passes Test
EP/BP - Water (H ₂ O)	≤ 0.2 %
EP/BP - Ash (sulfated)	≤ 0.01 %
JP - Identification A	Passes Test
JP - Identification B	Passes Test
JP - Specific Gravity at 20°/20°C	1.035 - 1.040
JP - Acidity	Passes Test
JP - Chloride (Cl)	≤ 0.007 %

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For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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Test	Specification
JP - Sulfate (SO ₄)	≤ 0.002 %
JP - Heavy Metals (as Pb)	≤ 5 ppm
JP - Arsenic (As)	≤ 2 ppm
JP - Glycerin	Passes Test
JP - Water (H ₂ O)	≤ 0.5 %
JP - Residue on Ignition	≤ 0.005 %
JP - Distilling Range (Lower)	184 - 189 °C
JP - Distilling Range (Upper)	184 - 189 °C
JP - Ethylene Glycol	≤ 0.1 %
JP - Diethylene Glycol	≤ 0.1 %
JP - Any Other Impurity	≤ 0.1 %
JP - Total Impurities	≤ 1.0 %

GMP Manufactured Product

Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging

No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Elemental Impurities (USP 232, EP 5.20) - Information on elemental impurities for this product is available on the associated Product Regulatory Data Sheet and elemental impurity profile report.

Packaging Site: Paris Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality

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