

Hexylene Glycol

GMP Grade

Grade: USP/NF

Catalog number: ZP248000GMP

Test	Mono-graph	Specification	Typical Result
Identification A - Infrared Absorption	NF	Conforms to Reference Spectrum	Pass
Identification B - Chromatographic Identity	NF	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution.	Pass
Assay (on anhydrous basis)	NF	98.0% - 102.0%	Pass
Organic Impurities - Acetone	NF	NMT 0.1%	Pass
Organic Impurities - 2-Propanol	NF	NMT 0.1%	Pass
Organic Impurities - 4-Methylpentan-2-one	NF	NMT 0.1%	Pass
Organic Impurities - 4-Methylpentan-2-ol	NF	NMT 0.1%	Pass
Organic Impurities - Diacetone Alcohol	NF	NMT 0.1%	Pass
Organic Impurities - Any other impurity	NF	NMT 0.1%	Pass
Organic Impurities - Total Impurities	NF	NMT 1.0%	Pass
Specific Gravity @ 25°C	NF	0.917 - 0.923	0.921
Refractive Index @ 25°C	NF	1.424 - 1.430	1.426
Acidity	NF	NMT 0.20mL of 0.10 N NaOH required	0.05mL
Water	NF	NMT 0.5%	0.05%
Ag (Silver)	USP<23 2>	Lot Analysis	0.00 ppm
As (Arsenic)	USP<23 2>	Lot Analysis	0.00 ppm

Test	Mono-graph	Specification	Typical Result
Au (Gold)	USP<23 2>	Lot Analysis	0.00 ppm
Ba (Barium)	USP<23 2>	Lot Analysis	0.00 ppm
Cd (Cadmium)	USP<23 2>	Lot Analysis	0.00 ppm
Co (Cobalt)	USP<23 2>	Lot Analysis	0.00 ppm
Cr (Chromium)	USP<23 2>	Lot Analysis	0.00 ppm
Cu (Copper)	USP<23 2>	Lot Analysis	0.00 ppm
Hg (Mercury)	USP<23 2>	Lot Analysis	0.00 ppm
Ir (Iridium)	USP<23 2>	Lot Analysis	0.00 ppm
Li (Lithium)	USP<23 2>	Lot Analysis	0.00 ppm
Mo (Molybdenum)	USP<23 2>	Lot Analysis	0.00 ppm
Ni (Nickel)	USP<23 2>	Lot Analysis	0.00 ppm
Os (Osmium)	USP<23 2>	Lot Analysis	0.00 ppm
Pb (Lead)	USP<23 2>	Lot Analysis	0.00 ppm
Pd (Palladium)	USP<23 2>	Lot Analysis	0.00 ppm
Pt (Platinum)	USP<23 2>	Lot Analysis	0.00 ppm
Rh (Rhodium)	USP<23 2>	Lot Analysis	0.00 ppm
Ru (Ruthenium)	USP<23 2>	Lot Analysis	0.00 ppm
Sb (Antimony)	USP<23 2>	Lot Analysis	0.00 ppm
Se (Selenium)	USP<23 2>	Lot Analysis	0.00 ppm
Sn (Tin)	USP<23 2>	Lot Analysis	0.00 ppm

Test	Mono-graph	Specification	Typical Result
TI (Thallium)	USP<23 >2	Lot Analysis	0.00 ppm
V (Vanadium)	USP<23 >2	Lot Analysis	0.00 ppm

Certification and Compliance Statements

This product has been processed and packaged in compliance with Good Manufacturing Practices.

This product complies with all of the current requirements listed in the National Formulary monograph. Certain test data have been supplied by third parties.

This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.

No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging of Hexylene Glycol. Only Class 3 residual solvents may appear as impurities / related substances / low level contaminants in Hexylene Glycol. Concentration of Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>: Residual Solvents.

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