

Purified Water
World/GMP, World Grade®

Grade: USP/EP/JP

Catalog number: 232WORLD

Test	Monograph	Specification	Typical Result
Total Organic Carbon	USP	<0.50 mg C/L	0.08 mg
Total Organic Carbon	EP	<0.50 mg C/L	0.08 mg
Total Organic Carbon	JP	<0.50 mg C/L	0.08 mg
Water Conductivity	USP	NMT 1.3 μ S/cm at 25°C	0.19 μ S/cm
Water Conductivity	EP	NMT 1.3 μ S/cm at 25°C	0.19 μ S/cm
Water Conductivity	JP	NMT 1.3 μ S/cm at 25°C	0.19 μ S/cm
Appearance	USP	Clear, colorless liquid	Pass
Appearance	EP	Clear, colorless liquid	Pass
Appearance	JP	Clear, colorless liquid	Pass
Microbial Limits	USP	\leq 100 CFU/mL	LT 1 CFU/mL
Microbiological Monitoring	EP	\leq 100 CFU/mL	LT 1 CFU/mL
Microbial Contamination (TAMC)	EP	\leq 200 CFU/mL	LT 1 CFU/mL
Nitrates	EP	0.2 ppm max.	LT 0.2 ppm
Acidity or Alkalinity	EP	Acidity-No blue color develops	Pass
Oxidizable Substances	EP	The solution remains faintly pink	Pass
Purity- Potassium Permanganate-Reducing Substances	JP	The red color does not disappear	Pass

Test	Monograph	Specification	Typical Result
Chlorides	EP	No change occurs	Pass
Sulfates	EP	No change occurs	Pass
Ammonium	EP	0.2 ppm max.	LT 0.2 ppm
Calcium and Magnesium	EP	A pure blue color is produced	Pass
Residue on Evaporation	EP	0.001% max.	0.000 %
Ag (Silver)	USP<232>	Lot Analysis	0.00 ppm
As (Arsenic)	USP<232>	Lot Analysis	0.00 ppm
Au (Gold)	USP<232>	Lot Analysis	0.00 ppm
Ba (Barium)	USP<232>	Lot Analysis	0.00 ppm
Cd (Cadmium)	USP<232>	Lot Analysis	0.00 ppm
Co (Cobalt)	USP<232>	Lot Analysis	0.00 ppm
Cr (Chromium)	USP<232>	Lot Analysis	0.00 ppm
Cu (Copper)	USP<232>	Lot Analysis	0.00 ppm
Hg (Mercury)	USP<232>	Lot Analysis	0.00 ppm
Ir (Iridium)	USP<232>	Lot Analysis	0.00 ppm
Li (Lithium)	USP<232>	Lot Analysis	0.00 ppm
Mo (Molybdenum)	USP<232>	Lot Analysis	0.00 ppm
Ni (Nickel)	USP<232>	Lot Analysis	0.00 ppm
Os (Osmium)	USP<232>	Lot Analysis	0.00 ppm
Pb (Lead)	USP<232>	Lot Analysis	0.00 ppm

Test	Monograph	Specification	Typical Result
Pd (Palladium)	USP<232>	Lot Analysis	0.00 ppm
Pt (Platinum)	USP<232>	Lot Analysis	0.00 ppm
Rh (Rhodium)	USP<232>	Lot Analysis	0.00 ppm
Ru (Ruthenium)	USP<232>	Lot Analysis	0.00 ppm
Sb (Antimony)	USP<232>	Lot Analysis	0.00 ppm
Se (Selenium)	USP<232>	Lot Analysis	0.00 ppm
Sn (Tin)	USP<232>	Lot Analysis	0.00 ppm
Tl (Thallium)	USP<232>	Lot Analysis	0.00 ppm
V (Vanadium)	USP<232>	Lot Analysis	0.00 ppm

Certification and Compliance Statements

This product complies with all of the current requirements listed in the United States Pharmacopeia, European Pharmacopeia, and Japanese Pharmacopeia monographs. This product is not intended for use as a sterile or potable product.

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

Greenfield products are for further commercial manufacturing, laboratory use, or research. Greenfield is not registered with the United States Food and Drug Administration (FDA) as a drug manufacturing facility. Greenfield products are not registered with the FDA as active pharmaceutical ingredients in drug manufacturing.

Appropriate/legal use of all products are the responsibility of the user and subject to applicable local laws and regulations.