



Highly Enriched ^{18}O -Water - Specification

Test	Method	Specification
H ₂ O	Normalized with respect to hydrogen isotopes	>99.9%
^{18}O	Electrolysis - MS	>98%
^{17}O	Electrolysis - MS	<2%
^{16}O	Electrolysis - MS	<1%
Sodium	ICP - MS	<2 mg/L
Calcium	ICP - MS	<1 mg/L
Potassium	ICP - MS	<1 mg/L
Magnesium	ICP - MS	<1 mg/L
Iron	ICP - MS	<0.1 mg/L
Copper	ICP - MS	<0.1 mg/L
Fluoride	Indirect estimate	<1 mg/L
Bromide	ICP - MS	<1 mg/L
Chloride	Indirect estimate	<1 mg/L
Silicon	ICP - MS	<1 mg/L
TOC	Shimadzu	<1 mg/L
Endotoxins	LAL - Kinetic QCL	<0.1 EU
Sterility	CFU/g	Sterile
Appearance	Visual inspection	Clear, colorless, no particles
pH	pH paper	6.0 - 7.0
Conductivity	Conductimeter (before bottling)	<2 μ Siemens/cm
Radioactivity	Radiometer	No more than natural background

6208 W. Okanogan Avenue · Kennewick, WA 99336
Telephone (509) 736-4000 · Fax (509) 736-4007
www.isotopeworld.com