

**MEDICAL ISOTOPES, INC.**100 Bridge Street
Pelham, NH 03076

Tel: 603 635-2255 Toll Free: 800 374-9513

Fax: 603 635-2448

E-Mail: info@medicalisotopes.comInternet: <http://www.medicalisotopes.com>**CERTIFICATE OF ANALYSIS**

H₂O¹⁸ 97.5 atom %		Lot Number: 860	Catalog # O2006	Date: May 2017	Re-test Date: May 2020
Analysis		Results		Analysis Method	
O-18		97.5 atom %		MS	
O-17		1.30 atom %		MS	
O-16		1.20 atom %		MS	
Chemical purity: >99.99%					
Test:		Specifications:		Method/Reference:	
Main substance content is no less:		Chemical Purity: >99.99% m/m		N/A	
Appearance		Clear, colorless, free of visible particulate matter		Organoleptic	
Conductivity		0.96 μS/cm		Conductivity meter	
pH		7.0		pH meter	
Pyrogenicity		0.10 EU/ml		LAL test FDA max. levels are: 0.25 to 0.5 EU/ml	
Sterility		Sterile		USP	
Total Organic Carbon		0.15mg/L		TOC analyzer	
Element:	Measure Impurities Content (mg/L)	Element:	Measure Impurities Content (mg/L)		
F	0.002	Cl	0.003		
Na	0.2	Cu	0.01		
Mg	0.02	Br	0.001		
K	0.05	Ca	0.02		
Fe	0.01	I	0.002		
PO ₄ ³⁻	0.005	NO ₃ ⁻	0.005		
Molecular Formula: H₂¹⁸O					
Molecular Weight: 20.0					
Package Size: 50 grams/vial. Glass vial with Teflon septum, bottle sterilized prior to filling					
Radioactivity: The total radioactivity of the present water specimen is not more than the natural background.					

Certified by:

Frank Smith, Quality Control