

**MEDICAL ISOTOPES, INC.**100 Bridge Street  
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E-Mail: [info@medicalisotopes.com](mailto:info@medicalisotopes.com)Internet: <http://www.medicalisotopes.com>**CERTIFICATE OF ANALYSIS**

<b>H<sub>2</sub>O<sup>18</sup> 97.5 atom %</b>		<b>Lot Number: 860</b>	<b>Catalog # O2006</b>	<b>Date: May 2017</b>	<b>Re-test Date: May 2020</b>
Analysis		Results		Analysis Method	
O-18		97.5 atom %		MS	
O-17		1.30 atom %		MS	
O-16		1.20 atom %		MS	
<b>Chemical purity: &gt;99.99%</b>					
<b>Test:</b>		<b>Specifications:</b>		<b>Method/Reference:</b>	
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 $\mu$ S/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 <sub>4</sub> <sup>3-</sup>	0.005	NO <sub>3</sub> <sup>-</sup>	0.005		
<b>Molecular Formula: H<sub>2</sub><sup>18</sup>O</b>					
<b>Molecular Weight: 20.0</b>					
<b>Package Size:</b> 50 grams/vial. Glass vial with Teflon septum, bottle sterilized prior to filling					
<b>Radioactivity:</b> The total radioactivity of the present water specimen is not more than the natural background.					

Certified by:

Frank Smith, Quality Control