

# ISOFLEX USA

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## REPRESENTATIVE CERTIFICATE of ANALYSIS

CUSTOMER:

CERTIFICATE NO.: 08-09-18-TBD

CUSTOMER ORDER NO.:

The description, isotopic distribution and chemical purity relating to the above referenced order number are certified to be as follows:

### Description

ISOTOPE	O-18	PYROGENICITY (LAL TEST)	<0.03 I.U./ml
FORM	H <sub>2</sub> <sup>18</sup> O	TOTAL ORGANIC CARBON	<1.0 mg/L
ENRICHMENT	98.03%	STERILITY	Passes Test
MAIN SUBSTANCE CONTENT	99.99%	pH	6.7
COMPOUND WEIGHT (H <sub>2</sub> O)	10 Grams	D	Normalized
CONDUCTIVITY	0.69 µS/cm		
APPEARANCE: Clear, colorless, free of visible particulate matter			
GUARANTEE VALIDITY PERIOD: No less than one year from shipment			
RADIOACTIVITY: The total radioactivity of the present water specimen is not more than the natural background (10-15 mkr/h).			
PACKAGE SIZE: 10 gram per vial, in sterilized borosilicate US standard glass vial with rubber-stopper and aluminum crimp seal.			

### Isotopic Distribution

ISOTOPE	O-16	O-17	O-18
CONTENT (%)	1.67	0.3	98.03

### Chemical Purity

Element	F <sup>-</sup>	Cl <sup>-</sup>	Br <sup>-</sup>	I <sup>-</sup>	Ca <sup>2+</sup>	Mg <sup>2+</sup>	Na <sup>+</sup>	K <sup>+</sup>	Cu <sup>2+</sup>	Fe <sup>2+</sup>
Content (mg/L)	<0.02	<0.02	<0.05	<0.02	0.028	0.015	0.043	0.024	0.006	0.009

Element	PO <sub>4</sub> <sup>3-</sup>	SO <sub>4</sub> <sup>2-</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	Zn <sup>2+</sup>
Content (mg/L)	<0.1	<0.1	<0.1	<0.05	0.012

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July 5, 2011

Date

Teck Hing Teo  
Operations Manager