



**Biosolve Chimie**  
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**Certified ISO 9001:2015**

**Biosolve BV**  
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## CERTIFICATE OF COMPLIANCE/ANALYSIS

Product : Water ULC/MS - CC/SFC 4 L

Article no : 0023214104BS

CAS 7732-18-5

M.P. 0 °C

Lot#: 0010012206

EC NO 231-791-2

B.P. 100 °C

Grade: ULC/MS - CC/SFC

FW H2O

MW 18.01

DENSITY 1.00

Test	Specification	Result
Clear colorless liquid	Complying	Complying
Color (APHA Pt-Co)	<= 5	5
Resistivity (at manuf.)	>= 18.2 MΩ*cm	18.3 MΩ*cm
Residue after evaporation	<= 0.0001 %w/w	0.0001 %w/w
Acidity (as Acetic acid)	<= 0.0002 %	0.0001 %
Alkalinity (as Ammonia)	<= 0.00005 %	0.00000 %
TOC	<= 10 ppb	< 10 ppb
UHPLC/MS ESI/APCI+ (as Reserpine)	<= 5 ppb	< 5 ppb
UHPLC/MS ESI/APCI- (as Reserpine)	<= 20 ppb	< 20 ppb
UV Abs. 200 (Vs. air)	<= 0.001 AU	< 0.001 AU
UV Abs. 210 (Vs. air)	<= 0.001 AU	< 0.001 AU
UV Abs. 230 (Vs. air)	<= 0.0005 AU	< 0.0005 AU
H.Peak by PDAD 210-400nm	<= 0.001 AU	0.001 AU
Grad. elution H.Peak at 210nm	<= 0.001 AU	0.001 AU
Grad. elution drift at 210nm	<= 0.008 AU	0.008 AU
Grad. elution H.Peak at 254nm	<= 0.0005 AU	0.0001 AU
Grad. elution drift at 254nm	<= 0.005 AU	0.003 AU
Fluorescence 254nm (as Quinine)	<= 0.3 ppb	< 0.3 ppb
Fluorescence 365nm (as Quinine)	<= 0.3 ppb	< 0.3 ppb
Filter test	Complying	Complying
Silver (Ag)	<= 50 ppb	< 50 ppb
Aluminum (Al)	<= 20 ppb	< 20 ppb
Barium (Ba)	<= 20 ppb	< 20 ppb
Bismuth (Bi)	<= 20 ppb	< 20 ppb
Calcium (Ca)	<= 50 ppb	< 50 ppb
Cadmium (Cd)	<= 30 ppb	< 30 ppb
Cobalt (Co)	<= 20 ppb	< 20 ppb
Chromium (Cr)	<= 20 ppb	< 20 ppb
Iron (Fe)	<= 30 ppb	< 30 ppb
Potassium (K)	<= 50 ppb	< 50 ppb
Lithium (Li)	<= 30 ppb	< 30 ppb
Magnesium (Mg)	<= 20 ppb	< 20 ppb
Manganese (Mn)	<= 20 ppb	< 20 ppb



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Grade: ULC/MS - CC/SFC

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MW 18.01

DENSITY 1.00

Test	Specification	Result
Molybdenum (Mo)	<= 50 ppb	< 50 ppb
Sodium (Na)	<= 50 ppb	< 50 ppb
Nickel (Ni)	<= 20 ppb	< 20 ppb
Lead (Pb)	<= 20 ppb	< 20 ppb
Tin (Sn)	<= 50 ppb	< 50 ppb
Strontium (Sr)	<= 30 ppb	< 30 ppb
Zinc (Zn)	<= 50 ppb	< 50 ppb
Nitrate (NO3)	<= 0.1 ppm	< 0.1 ppm
Subs. reducing KMnO4, Passes ACS test	Complying	Complying
Filtered through 0.1um, filled under inert gas.		

Manufacturing Date : 06/2023

Expiration Date : 06/2026

**TERMS OF SALE:**

SELLERS ONLY OBLIGATION SHALL BE TO REPLACE SUCH QUANTITY OF THE PRODUCT PROVEN TO BE DEFECTIVE. SELLER SHALL NOT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE, MISUSE, OR THE INABILITY TO USE THE PRODUCT. USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE AND SHALL ASSUME ALL LIABILITY IN CONNECTION THEREWITH.

Store at room temperature in a dry and shaded place.

Our COA's are computer printouts and therefore valid without signature.

SDS is available on our website.

Y. Shalom Ph.D.  
QC Manager