

## Certificate of Analysis

Date of Testing: 2024-07-18 15:17:29  
Date of Next Testing: 2027-07-18 15:17:29  
Product Name: **Water**  
CAS Number: 7732-18-5  
Specifications & Purity: Ultrapur  
Lot #: G2416140  
SKU #: **W433884**  
Version: **1**  
Analysis #: **390103**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Silver(Ag)	0-50 (ppt)	14.23000 ppt
Aluminium(Al)	0-200 (ppt)	102.54000 ppt
Arsenic(As)	0-50 (ppt)	12.48000 ppt
Gold(Au)	0-50 (ppt)	12.59000 ppt
Boron(B)	0-500 (ppt)	142.59000 ppt
Barium(Ba)	0-50 (ppt)	14.59000 ppt
Beryllium(Be)	0-50 (ppt)	41.56000 ppt
Bismuth(Bi)	0-50 (ppt)	33.48000 ppt
Calcium(Ca)	0-500 (ppt)	203.82000 ppt
Cadmium(Cd)	0-50 (ppt)	41.54000 ppt
Cerium(Ce)	0-20 (ppt)	15.80000 ppt
Cobalt(Co)	0-50 (ppt)	41.50000 ppt
Chromium(Cr)	0-50 (ppt)	15.95000 ppt
Copper(Cu)	0-100 (ppt)	42.56000 ppt
Dysprosium(Dy)	0-20 (ppt)	12.32000 ppt
Erbium(Er)	0-20 (ppt)	1.41000 ppt
Europium(Eu)	0-20 (ppt)	11.45000 ppt
Iron(Fe)	0-300 (ppt)	124.15000 ppt
Gallium(Ga)	0-50 (ppt)	32.59000 ppt
Gadolinium(Gd)	0-20 (ppt)	12.40000 ppt
Germanium(Ge)	0-50 (ppt)	32.41000 ppt
Hafnium(Hf)	0-10 (ppt)	7.58000 ppt
Holmium(Ho)	0-20 (ppt)	1.45000 ppt
Indium(In)	0-50 (ppt)	12.49000 ppt
Potassium(K)	0-300 (ppt)	15.49000 ppt

<b>Parameter</b>	<b>Limit Values</b>	<b>Result</b>
Lanthanum(La)	0-20 (ppt)	15.60000 ppt
Lithium(Li)	0-50 (ppt)	14.60000 ppt
Magnesium(Mg)	0-100 (ppt)	14.50000 ppt
Manganese(Mn)	0-100 (ppt)	42.50000 ppt
Molybdenum(Mo)	0-50 (ppt)	41.20000 ppt
Sodium(Na)	0-500 (ppt)	203.17000 ppt
Niobium(Nb)	0-20 (ppt)	14.56000 ppt
Neodymium(Nd)	0-20 (ppt)	11.26000 ppt
Nickel(Ni)	0-50 (ppt)	41.56000 ppt
Lead(Pb)	0-50 (ppt)	25.19000 ppt
Palladium(Pd)	0-50 (ppt)	32.54000 ppt
Platinum(Pt)	0-50 (ppt)	25.72000 ppt
Rubidium(Rb)	0-20 (ppt)	11.45000 ppt
Antimony(Sb)	0-50 (ppt)	23.51000 ppt
Scandium(Sc)	0-20 (ppt)	11.10200 ppt
Silicon(Si)	0-1000 (ppt)	123.45000 ppt
Samarium(Sm)	0-20 (ppt)	11.24000 ppt
Strontium(Sr)	0-50 (ppt)	23.48000 ppt
Tin(Sn)	0-50 (ppt)	1.49000 ppt
Tantalum(Ta)	0-50 (ppt)	2.78000 ppt
Terbium(Tb)	0-20 (ppt)	2.49000 ppt
Tellur(Te)	0-50 (ppt)	1.49000 ppt
Thorium(Th)	0-10 (ppt)	1.49000 ppt
Titanium(Ti)	0-50 (ppt)	2.59000 ppt
Thallium(Tl)	0-50 (ppt)	5.78000 ppt
Thulium(Tm)	0-20 (ppt)	3.78000 ppt
Uranium(U)	0-10 (ppt)	1.59000 ppt
Vanadium(V)	0-50 (ppt)	11.56000 ppt
Wolfram(W)	0-100 (ppt)	33.50000 ppt
Yttrium(Y)	0-10 (ppt)	2.54000 ppt
Ytterbium(Yb)	0-20 (ppt)	1.59000 ppt
Zinc(Zn)	0-500 (ppt)	26.80000 ppt
Zirconium(Zr)	0-50 (ppt)	1.59000 ppt



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager