



**ChemPure* Brand
Chemicals**

MAY 20, 2020

CERTIFICATE OF ANALYSIS ...Pure Quality

Product Name: **WATER**
Application: UHPLC-MS, LC-MS, HPLC, Trace, ACS

Product Number:	CP-C9605	Formula:	H ₂ O
CAS Number:	7732-18-5	F.Weight:	18.02 g/mol
Lot Number:	SA1519CP	Density:	1.00 g/cm ³
Manufactured Date:	May 20, 2020	Expiration Date:	May 2021
MDL No:	MFCD00011332	Storage:	RT
EC Number:	231-791-2	DOT/RID/ADR	None

<u>Test</u>	<u>Specification</u>	<u>Result</u>
Appearance (Clarity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
UV Absorbance 230nm	≤ 0.003	< 0.001
UV Absorbance 210nm	≤ 0.020	0.001
Residue on Evaporation	≤ 0.0001 %	< 0.0001 %
Fluorescence 254nm as Quinine	≤ 1 ppb	< 1 ppb
Fluorescence 365nm as Quinine	≤ 1 ppb	< 1 ppb
HPLC Absorbance 254nm	≤ 0.9 mAU	0.6 mAU
HPLC Absorbance 210nm	≤ 2 mAU	1.0 mAU
LCMS Suitability Confirmed	Suitable	Suitable
Chloride by Ion Chromatography	≤ 0.01 ppm	< 0.01 ppm
Fluoride by Ion Chromatography	≤ 0.01 ppm	< 0.01 ppm
NO ₃ by Ion Chromatography	≤ 0.1 ppm	< 0.1 ppm
SO ₄ by Ion Chromatography	≤ 0.1 ppm	< 0.1 ppm
Trace Metal Analysis	Complete	Complete
Aluminum (Al)	≤ 20 ppb	< 1 ppb
Cadmium (Cd)	≤ 20 ppb	< 1 ppb
Calcium (Ca)	≤ 20 ppb	< 1 ppb
Chromium (Cr)	≤ 15 ppb	< 1 ppb
Cobalt (Co)	≤ 15 ppb	< 1 ppb
Copper (Cu)	≤ 10 ppb	< 1 ppb
Iron (Fe)	≤ 20 ppb	< 1 ppb
Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Manganese (Mn)	≤ 20 ppb	< 1 ppb
Nickel (Ni)	≤ 20 ppb	< 1 ppb
Potassium (K)	≤ 20 ppb	< 1 ppb
Silver (Ag)	≤ 20 ppb	< 1 ppb
Sodium (Na)	≤ 50 ppb	1 ppb
Tin (Sn)	≤ 20 ppb	< 1 ppb
Zinc (Zn)	≤ 20 ppb	< 1 ppb

Expiration Date Period: 12 Months

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It is certified that the above copy is a true copy of the actual lot analysis from the manufacturer.

Vyto Mekesa, QC Director

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