

## Certificate of Analysis

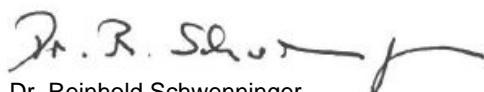
<b>Product Name:</b>	Water ion chromatography
<b>Product Number:</b>	00612
<b>Batch Number:</b>	BCCK5071
<b>CAS Number:</b>	7732-18-5
<b>Formula:</b>	H <sub>2</sub> O
<b>Formula Weight:</b>	18.02
<b>Quality Release Date:</b>	16 JUN 2023
<b>Recommended Retest Date:</b>	MAY 2025

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
ALUMINIUM (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
BARIUM (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
BISMUTH (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
CALCIUM (ICP)	≤ 0.01 MG/KG	< 0.01 MG/KG
CADMIUM (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
COBALT (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
CHROMIUM (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
COPPER (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
IRON (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
POTASSIUM (ICP)	≤ 0.01 MG/KG	< 0.01 MG/KG
LITHIUM (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
MAGNESIUM (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
MANGANESE (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
MOLYBDENUM (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
SODIUM (ICP)	≤ 0.01 MG/KG	< 0.01 MG/KG
NICKEL (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
LEAD (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
STRONTIUM (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
ZINC (ICP)	≤ 0.005 MG/KG	< 0.005 MG/KG
METAL TRACE ANALYSIS (ICP-MS)	CORRESPONDS TO REQUIREMENTS	PASSED
ION CHROMATOGRAPHY (ACETATE)	≤ 10 UG/KG	< 10.0 UG/KG

<b>ION CHROMATOGRAPHY (FORMATE)</b>	$\leq 10$ UG/KG	< 10.0 UG/KG
<b>ION CHROMATOGRAPHY (GLYCOLATE)</b>	$\leq 10$ UG/KG	< 10.0 UG/KG
<b>ION CHROMATOGRAPHY (OXALATE)</b>	$\leq 10$ UG/KG	< 10.0 UG/KG
<b>ION CHROMATOGRAPHY (BROMIDE)</b>	$\leq 1.0$ UG/KG	< 1.0 UG/KG
<b>ION CHROMATOGRAPHY (CHLORIDE)</b>	$\leq 1.0$ UG/KG	< 1.0 UG/KG
<b>ION CHROMATOGRAPHY (FLUORIDE)</b>	$\leq 1.0$ UG/KG	< 1.0 UG/KG
<b>ION CHROMATOGRAPHY (IODIDE)</b>	$\leq 1.0$ UG/KG	< 1.0 UG/KG
<b>ION CHROMATOGRAPHY (NITRITE)</b>	$\leq 1.0$ UG/KG	< 1.0 UG/KG
<b>ION CHROMATOGRAPHY (NITRATE)</b>	$\leq 1.0$ UG/KG	< 1.0 UG/KG
<b>ION CHROMATOGRAPHY (PHOSPHATE)</b>	$\leq 1.0$ UG/KG	< 1.0 UG/KG
<b>ION CHROMATOGRAPHY (SULFATE)</b>	$\leq 1.0$ UG/KG	< 1.0 UG/KG
<b>ION CHROMATOGRAPHY (NH<sub>4</sub><sup>+</sup>)</b>	$\leq 0.01$ MG/KG	< 0.01 MG/KG
<b>IONCHROMATOGRAPHY (BROMATE)</b>	$\leq 1$ UG/KG	< 1 UG/KG
<b>IONCHROMATOGRAPHY (CHLORATE)</b>	$\leq 1$ UG/KG	< 1 UG/KG

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<b>IONCHROMATOGRAPHY (CHLORITE)</b>	$\leq 1$ UG/KG	$< 1$ UG/KG
<b>CONDUCTIVITY (25 C)</b>	$\leq 2.00$ US/CM	0.7 US/CM



Dr. Reinhold Schwenninger

Quality Assurance

Buchs, Switzerland

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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