1490 Lammers Pike Batesville, IN 47006 http://www.riccachemical.com 1-888-GO-RICCA

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Certificate of Analysis

Water, LC-MS Grade

Lot Number: 4401J15 Product Number: R9154000

Date Packaged: FEB 27, 2024

Expiration Date: JUL 2025

This product is manufactured by a continuous process that has been validated to produce high purity Water meeting, as a minimum, the specifications below at the time of packaging.

Contains

H₉O CAS No. 7732-18-5 MW 18.02

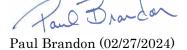
Test	Specification	Result
Appearance	clear, colorless	Passed
Calcium (Ca)	max 10.00 ppb	< 10.00 ppb
Chloride (Cl)	max 0.4 ppm	< 0.4 ppm
Conductivity at 25°C	max 0.056 μS/cm	0.055 μS/cm
LC Suitability (Absorbance)	To Pass Test	Passed
LC Suitability (Gradient Elution Test)	To Pass Test	Passed
LC/MS Suitability - neg mode (as 4-Nitrophenol)	To Pass Test	Passed
LC/MS Suitability - pos mode (as Reserpine)	To Pass Test	Passed
Lithium (Li)	max 10.00 ppb	< 10.00 ppb
Magnesium (Mg)	max 10.00 ppb	< 10.00 ppb
Nitrate (NO ₃)	max 0.4 ppm	< 0.00002 ppm
Organic Carbon (TOC)	max 50 ppb	0.028 ppb
Phosphate (PO ₄)	max 1.0 ppm	< 1.0 ppm
Potassium (K)	max 10.00 ppb	< 10.00 ppb
Residue after evaporation (Non-Volatile Matter)	max 0.0001 %	0.0001 %
Silicate (as SiO ₂)	max 3 ppb	< 3 ppb
Sodium (Na)	max 10.00 ppb	< 10.00 ppb
Sulfate (SO ₄)	max 1.0 ppm	< 1.0 ppm

This water is specially purified by conventional water softening, prefiltration, activated carbon organic adsorption, reverse osmosis, mixed bed triple deionization, ultraviolet light irradiation, and 0.2 micron membrane filtration. Consult RICCA CHEMICAL COMPANY Technical Reference Document TRD02 (for lot numbers starting with 1) or TRD03 (for lot numbers starting with 2) for details of the water purification process.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
9154-1	4 L amber glass	18 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

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Production Manager

This document is designed to comply with ISO Guide 31 "Reference Materials $^{\rm --}$ Contents of Certificates and Labels."

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

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