

Certificate of Analysis

Water, HPLC Grade
ACS Reagent Grade, Suitable for Liquid Chromatography

Lot Number: 1308K22

Product Number: 9153

Date Packaged: AUG 15, 2023

Expiration Date: JAN 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. The analysis results are from the most recent scheduled monitoring.

Contains

H₂O CAS No. 7732-18-5 MW 18.02

Test	Specification	Result
Chloride (Cl)	max 0.4 ppm	0.4 ppm
Heavy Metals (as Pb)	max 0.01 ppm	0.01 ppm
LC Suitability (Absorbance)	To Pass Test	Passed
LC Suitability (Gradient Elution Test)	To Pass Test	Passed
Nitrate (NO ₃)	max 0.4 ppm	0.4 ppm
Organic Carbon (TOC)	max 50 ppb	50 ppb
Oxidizable Substances (Permanganate Retention)	To Pass Test	Passed
Phosphate (PO ₄)	max 1.0 ppm	1.0 ppm
Silicate (as SiO ₂)	max 0.01 ppm	0.01 ppm
Sulfate (SO ₄)	max 1.0 ppm	1.0 ppm

Specification	Reference
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Water, Reagent, Suitable for Ultraviolet Spectrophotometry and
 Liquid Chromatography ACS (N/A)

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)
9153-1	4 L amber glass	18 months
9153-32	1 L amber glass	18 months

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



Heidi J Green (08/15/2023)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials --
Contents of Certificates and Labels."

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