

Certificate of Analysis

Water, ACS Reagent Grade, ASTM Type II

Lot Number: 1402965

Product Number: 9152

Date Packaged: FEB 05, 2024

Expiration Date: JUL 2025

Packaged in plastic. Not suitable for applications requiring extremely low levels of organics. 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. Although this water is not distilled, it has a chemical purity equal to or better than double distilled water. The analysis results are from the most recent scheduled monitoring.

Contains

H₂O CAS No. 7732-18-5 MW 18.02

| Test | Specification | Result |
|--|------------------|---------------|
| Appearance | Colorless liquid | Passed |
| Chloride (Cl) | max 5 ppb | 0.04 ppb |
| Conductivity at 25°C | max 1.0 µS/cm | 0.1 µS/cm |
| Heavy Metals (as Pb) | max 0.01 ppm | < 0.01 ppm |
| Nitrate (NO ₃) | max 0.4 ppm | 0.00002 ppm |
| Organic Carbon (TOC) | max 50 ppb | 12 ppb |
| Oxidizable Substances (Permanganate Retention) | To Pass Test | Passed |
| Phosphate (PO ₄) | max 1.0 ppm | < 0.00002 ppm |
| Silicate (as SiO ₂) | max 3 ppb | < 1 ppb |
| Sodium (Na) | max 5 ppb | < 0.01 ppb |
| Sulfate (SO ₄) | max 1.0 ppm | < 0.00005 ppm |

| Specification | Reference |
|------------------------|---------------|
| Reagent Water | ACS (N/A) |
| Reagent Water, Type II | ASTM (D 1193) |

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) |
|-------------|---------------------|---------------------------------|
| 9152-1 | 4 L natural poly | 18 months |
| 9152-2.5 | 10 L Cubitainer® | 18 months |
| 9152-5 | 20 L Cubitainer® | 18 months |

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



Heidi J Green (02/05/2024)

Operations Manager

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

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