

# Product Specification

## Water, LC-MS Grade

**Lot Number:** SAMPLE

**Product Number:** R9154000

**Date Packaged:** N/A

**Expiration Date:** N/A

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

H<sub>2</sub>O CAS No. 7732-18-5 MW 18.02

Test	Specification	Result
Appearance	clear, colorless	N/A
Calcium (Ca)	max 10.00 ppb	N/A
Chloride (Cl)	max 0.4	N/A
Conductivity at 25°C	max 0.056	N/A
LC Suitability (Absorbance)	To Pass Test	N/A
LC Suitability (Gradient Elution Test)	To Pass Test	N/A
LC/MS Suitability - neg mode (as 4-Nitrophenol)	To Pass Test	N/A
LC/MS Suitability - pos mode (as Reserpine)	To Pass Test	N/A
Lithium (Li)	max 10.00 ppb	N/A
Magnesium (Mg)	max 10.00 ppb	N/A
Nitrate (NO <sub>3</sub> )	max 0.4 ppm	N/A
Organic Carbon (TOC)	max 50	N/A
Phosphate (PO <sub>4</sub> )	max 1.0 ppm	N/A
Potassium (K)	max 10.00 ppb	N/A
Residue after evaporation (Non-Volatile Matter)	max 0.0001 %	N/A
Silicate (as SiO <sub>2</sub> )	max 3 ppb	N/A
Sodium (Na)	max 10.00 ppb	N/A
Sulfate (SO <sub>4</sub> )	max 1.0 ppm	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)
9154-1	4 L amber glass	18 months
9154-1CS	4 x 4 L amber glass	18 months
9154-32	1 L amber glass	18 months

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

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

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