

# Product Specification

**Water, ACS Reagent Grade, ASTM Type I, ASTM Type II**  
**Packaged in plastic containers**

**Lot Number:** SAMPLE

**Product Number:** 9150

**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. This water also meets ASTM Type III and Type IV specifications. The analysis results are from the most recent scheduled monitoring.

This product is not certified to meet USP and EP Purified Water specifications. The RICCA CHEMICAL COMPANY catalog number for USP / EP Purified Water is 9190.

## Contains

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

Test	Specification	Result
Appearance	Colorless liquid	N/A
Chloride (Cl)	max 1 ppb	N/A
Conductivity at 25°C (Method: SQCP031)	max 0.056 µS/cm	N/A
Heavy Metals (as Pb)	max 0.01 ppm	N/A
Nitrate (NO <sub>3</sub> )	max 0.4 ppm	N/A
Organic Carbon (TOC)	max 50 ppb	N/A
Oxidizable Substances (Permanganate Retention)	To Pass Test	N/A
Phosphate (PO <sub>4</sub> )	max 1.0 ppm	N/A
Silicate (as SiO <sub>2</sub> )	max 3 ppb	N/A
Sodium (Na)	max 1 ppb	N/A
Sulfate (SO <sub>4</sub> )	max 1.0 ppm	N/A

Specification	Reference
Reagent Water	ACS (N/A)
Reagent Water, Type I	ASTM (D 1193)
Reagent Water, Type II	ASTM (D 1193)
Reagent Water, Type III	ASTM (D 1193)
Reagent Water, Type IV	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)
9150-1	4 L natural poly	18 months
9150-1CS	4 x 4 L natural poly	18 months
9150-1CT	4 L Cubitainer®	18 months
9150-2.5	10 L Cubitainer®	18 months
9150-32	1 L natural poly	18 months
9150-5	20 L Cubitainer®	18 months
9150-500	500 mL natural poly	18 months
9150-55	55 gal drum	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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