

Water, Deionized, ACS Reagent Grade



Vion ACS Reagent grade water is guaranteed to meet the purity standards set by the American Chemical Society (ACS).

It is a high-quality, highly purified water with minimal contaminants, and is ideal for use in laboratory settings for sensitive chemical analyses, like liquid chromatography and UV-Visible spectrophotometry, and reactions where extreme purity is required.

Volume	Catalog Number
1 L:	VN-WW7000-1L
500 mL:	VN-WW7000-500ML
250 mL:	VN-WW7000-250ML
125 mL:	VN-WW7000-125ML
60 mL:	VN-WW7000-60ML

*Custom sizes available upon request.

DOT Information:
Non-regulated.

Specification	Requirement
Conductivity	$\leq 2.0 \mu\text{S/cm}$
Silicate (as SiO_2)	$\leq 0.01 \text{ ppm}$
Heavy Metals (as Pb)	$\leq 0.01 \text{ ppm}$
Substances Reducing Permanganate	Passes Test
Chloride (Cl)	$\leq 0.4 \text{ ppm}$
Nitrate (NO_3)	$\leq 0.4 \text{ ppm}$
Phosphate (PO_4)	$\leq 1 \text{ ppm}$
Sulfate (SO_4)	$\leq 1 \text{ ppm}$
UV $A_{300 \text{ nm}}$	≤ 0.005
UV $A_{254 \text{ nm}}$	≤ 0.005
UV $A_{210 \text{ nm}}$	≤ 0.010
UV $A_{200 \text{ nm}}$	≤ 0.010
LC Absorbance	Passes Test
LC Gradient Elution	Passes Test

Water, Deionized, ASTM Type I



Our ultrapure, ASTM Type I, water meets the strictest standards defined by the American Society for Testing and Materials (ASTM).

It is ideal for a wide range of ultra-sensitive laboratory uses including gas chromatography, HPLC, mass spectrometry, atomic absorption spectroscopy, and trace analysis.

1 L:	VN-WW7000-1L
500 mL:	VN-WW7001-500ML
250 mL:	VN-WW7001-250ML
125 mL:	VN-WW7001-125ML
60 mL:	VN-WW7001-60ML

*Custom sizes available upon request.

Specification

Resistivity	≥ 18 MΩ
Conductivity	≤ 0.056 µS/cm
Total Organic Carbon (TOC)	≤ 50 ppb
Silicate (as SiO ₂)	≤ 3 ppb
Chloride (Cl)	≤ 1 ppb
Sodium (Na)	≤ 1 ppb
Endotoxin	≤ 0.03 EU/mL
Heterotrophic Bacteria Count (HBC)	≤ 10 CFU/L

DOT Information:
Non-regulated.