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CERTIFICATE OF ANALYSIS

Product:	Purified Water: ASTM Type I, ACS Reagent Grade
Product No.:	H2OASTM1
Lot No.	H2O26A1
Date of Test:	26/01/2026
Expiry Date:	28/01/2027

ASTM D1193 Type I Water Compliance:

Parameter	Specification	Test Result
Conductivity at 25°C	≤ 0.0555 µS/cm	< 0.0555 µS/cm
Resistivity at 25°C	≥ 18.0 MΩ.cm	> 18.0 MΩ.cm
Total Organic Carbon	≤ 50 µg/L	< 50 µg/L
Sodium	≤ 1 µg/L	≤ 0.2 µg/L
Chloride	≤ 1 µg/L	≤ 0.2 µg/L
Silica	≤ 3 µg/L	< 3 µg/L

ASTM D1193 specifies that polishing with a 0.2µm membrane filter is required for Type I Water. This product's manufacture includes polishing with a 0.1µm membrane filter.

ACS Reagent Grade Water Compliance:
(additional parameters not specified for ASTM Type I Water)

Parameter	Specification	Test Result
Heavy Metals (as Pb)	≤ 0.01 mg/L	≤ 0.005 mg/L
Nitrate	≤ 0.4 mg/L	≤ 0.010 mg/L
Phosphate	≤ 1 mg/L	≤ 0.010 mg/L
Sulphate	≤ 1 mg/L	≤ 0.010 mg/L
Oxidizable Substances (permanganate colour retention)	Limit Test	Passes Limit Test

The above test results relate to the specified lot number at the time of packaging.

This product conforms to the specifications for ASTM Type I water detailed in ASTM D1193, "Standard Specification for Reagent Water" and conforms to the monograph for ACS Reagent Grade Water published by the American Chemical Society.

This product was manufactured by treating potable water using a combination of softening, prefiltration, carbon adsorption, reverse osmosis, mixed bed ion-exchange, UV irradiation and ultra-filtration.

This product is packaged in pre-leached glass bottles to ensure its suitability for applications requiring water of exceedingly low levels of organic contaminants.

Date: 26/01/2026

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