

# Product Specification

**Synthetic Fresh Water, Soft**
**104 ppm TDS as Fresh Water Ions, 40 - 48 mg/L Hardness as CaCO<sub>3</sub>**
**Lot Number: SAMPLE**
**Product Number: 8662**
**Manufacture Date: N/A**
**Expiration Date: N/A**

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Bicarbonate	144-55-8	ACS
Calcium Sulfate Dihydrate	10101-41-4	ACS
Potassium Chloride	7447-40-7	ACS
Magnesium Sulfate	7487-88-9	Reagent

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
Conductivity at 25°C	152-158 µS/cm	N/A	3193

Specification	Reference
Reconstituted Fresh Water, Soft	APHA (8010 E)
Synthetic Freshwater, Soft	EPA (EPA/600/4-90/027F)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
8662-32	1 L natural poly	12 months
8662-1	4 L natural poly	12 months

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

**Katie Schnur**  
Quality Control Manager

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