

# Certificate of Analysis

## Zero Oxygen Standard, for Calibration of Dissolved Oxygen Meters

**Lot Number:** 1310U42

**Product Number:** 9420

**Manufacture Date:** NOV 01, 2023

**Expiration Date:** OCT 2024

This product may contain trace levels of precipitation prior to use, or after opening, as the deoxygenation reaction creates insoluble cobalt compounds.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Sulfite	7757-83-7	ACS
Cobalt (II) Chloride Hexahydrate	7791-13-1	ACS

Test	Specification	Result
Appearance	Colorless to slightly yellow to straw yellow liquid	Passed
Dissolved Oxygen (APHA 4500-O C; ASTM D 888)	max 0 mg/L	0 mg/L

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)
9420-16	500 mL clear PET-G	12 months
9420-4	120 mL natural poly	12 months

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



Heidi J Green (11/01/2023)

Operations Manager

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

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