

Certificate of Analysis

Phosphate Phosphorus Standard, 50 ppm P (153 ppm PO₄³⁻)

Lot Number: 1404L62

Product Number: 5830

Manufacture Date: APR 30, 2024

Expiration Date: APR 2025

Use purified water to make dilutions of this standard.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	High Purity

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Phosphorus (P)	49.75-50.25 ppm	50.00 ppm	3139

Specification	Reference
Stock Solution (1.0 mL = 0.05 mg Phosphorus)	ASTM (D 515 A)
Standard Phosphate Solution	APHA (4500-P C)
Standard Phosphate Solution	APHA (4500-P D)
Stock Phosphate Solution	APHA (4500-P E)
Stock Phosphorus Solution, 1 mL = 0.05 mg P	EPA (365.2)

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)
5830-16	500 mL natural poly	12 months

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



Heidi J Green (04/30/2024)

Operations Manager

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