

Certificate of Analysis

Phosphate Buffer Solution, for Chlorine Determination (DPD Methods)

Lot Number: 4402E44

Product Number: 5805

Manufacture Date: FEB 07, 2024

Expiration Date: JAN 2026

Use RICCA Cat. No. 2655, DPD Indicator in this test.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Sodium Phosphate Dibasic	7558-79-4	ACS
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS
Mercuric Chloride	7487-94-7	ACS

Test	Specification	Result
Appearance	Colorless liquid	Passed
Suitability for Use	Pink to red color in the presence of Chlorine	Passed

Specification	Reference
Phosphate Buffer Solution	APHA (4500-CIO2 D)
Phosphate Buffer Solution	APHA (4500-CI F)
Phosphate Buffer Solution	APHA (4500-CI G)
Phosphate Buffer Solution	EPA (330.4)
Phosphate Buffer Solution	EPA (330.5)

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)
5805-16	500 mL natural poly	24 months
5805-32	1 L natural poly	24 months

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



Paul Brandon (02/07/2024)

Production Manager

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

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.