

Certificate of Analysis

Acetate Buffer, pH 4.0, for Residual Chlorine Analysis

Lot Number: 4401K34

Product Number: 50

Manufacture Date: JAN 16, 2024

Expiration Date: JAN 2026

Name	CAS#	Grade
Acetic Acid	64-19-7	ACS
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
pH at 25°C (Method: SQCP027, SQCP033)	3.9-4.1	4.0	185i, 186-I-g, 186-II-g
Specific Gravity	1.109-1.115 at 25°C	1.114 at 25°C	

Specification	Reference
Acetate Buffer Solution, pH 4	APHA (4500-C102 C)
Acetate Buffer Solution, pH 4	APHA (4500-C1 E)
Acetate Buffer Solution, pH 4	APHA (4500-C1 D)
Acetate Buffer Solution	APHA (4500-C1 C)
Acetate Buffer Solution (pH 4)	EPA (330.2)
Acetate Buffer Solution (pH 4)	EPA (330.1)
pH 4.0 Buffer Solution	ASTM (D 1253)

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)
50-1	4 L natural poly	24 months
50-16	500 mL natural poly	24 months
50-2.5	10 L Cubitainer®	24 months
50-32	1 L natural poly	24 months
50-5	20 L Cubitainer®	24 months

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



Paul Brandon (01/16/2024)

Production Manager

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

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