

# Product Specification

## Acetate Buffer, pH 4.5, for Cyanide Determination

Lot Number: SAMPLE

Product Number: 52

Manufacture Date: N/A

Expiration Date: N/A

Name	CAS#	Grade
Acetic Acid	64-19-7	ACS
Sodium Acetate Trihydrate	6131-90-4	ACS
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	N/A	
pH at 25°C (Method: SQCP027, SQCP033)	4.45-4.55	N/A	185i, 186-I-g, 186-II-g

Specification	Reference
Acetate Buffer	APHA (4500-CN- I)
Acetate Buffer	APHA (4500-CN- E)
Acetate Buffer	APHA (4500-CN- H)
Acetate Buffer	ASTM (D 2036 A)
Acetate Buffer	ASTM (D 2036 B)
Acetate Buffer	ASTM (D 2036 C)
Acetate Buffer	ASTM (D 2036 D)

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)
52-16	500 mL natural poly	24 months
52-32	1 L natural poly	24 months

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

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

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