

# Product Specification

## Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)

**Lot Number:** SAMPLE

**Product Number:** 1551

**Manufacture Date:** N/A

**Expiration Date:** N/A

The certified value for this product is confirmed in independent testing by a second qualified chemist.

The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result	NIST SRM#
Appearance	Yellow liquid	N/A	
Appearance	Yellow liquid	N/A	
pH at 25°C (Method: SQCP027, SQCP033)	6.990-7.010	N/A	186-I-g, 186-II-g, 191d
pH at 25°C (Method: SQCP027, SQCP033)	6.990-7.010	N/A	186-I-g, 186-II-g, 191d
pH at 25°C (Method: SQCP027, SQCP033)	0.01	N/A	
Uncertainty			
pH at 25°C (Method: SQCP027, SQCP033)	0.01	N/A	
Uncertainty			

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

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)
1551-1	4 L natural poly	24 months
1551-16	500 mL natural poly	24 months
1551-16CS	12 x 500 mL natural poly	24 months

1551-1CS	4 x 4 L natural poly	24 months
1551-1CT	4 L Cubitainer®	24 months
1551-1G	4 L amber glass	24 months
1551-2.5	10 L Cubitainer®	24 months
1551-20	20 mL pouch	24 months
1551-20	20 x 20 mL pack	24 months
1551-20B	200 x 20 mL pack	24 months
1551-32	1 L natural poly	24 months
1551-32CS	12 x 1L natural poly	24 months
1551-32CT	1 L Cubitainer®	24 months
1551-4	120 mL natural poly	24 months
1551-5	20 L Cubitainer®	24 months
1551-55	55 gal poly drum	12 months
R1551000-20F1	20 mL pouch	24 months

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

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



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