

Certificate of Analysis





Mesa Laboratories Inc

12100 West 6th Ave., Lakewood, CO 80228 TEL (303) 987-8000 FAX (303) 987-8989

www.mesalabs.com

Description:

Standard Buffer Solution 4.0 pH @ 25°C

Part Number:

02.0032

Lot No:

ML-P4-1225

Certification Date:

September 03, 2014

Expiration Date:

March 02, 2016

Nominal	Measured	Tolerance	Measured	Reference	Reference System
Value	Value	@ 25°C	Value In	System	Uncertainty @ 25°C
(pH Units)	(pH Units)	(pH Units)	Tolerance	Standards	(pH Units)
4.000	4.000	±0.01	Yes	NIST SRM 186 NIST SRM 191	± 0.006

Test Methods

- All analytical balances are calibrated by an ISO/IEC 17025:2005 accredited calibration laboratory.
 All balances are checked prior to use using an in-house procedure. Weights used for testing are traceable to NIST.
- All thermometers are NIST traceable through reference temperature probes that are calibrated by an ISO/IEC 17025:2005 accredited calibration laboratory.
- Measurements are taken at 25°C ± 0.25°C using EPA Method 150.1 and are temperature compensated.
- Uncertainty is calculated using an Expanded Uncertainty U=kuc (k=2.00).

Intended Use

This standard solution is indicated for use as a secondary standard for calibrating pH meters.

Hazardous Information

Please refer to the Material Safety Data Sheet available on our website for information on this material

Stability and Storage

Protect from temperature extremes. Discard if solution has been frozen. Do not return used solution into the container. Keep cap tightly sealed when not in use. Discard 90 days after opening.

Conformance Statement

Mesa Laboratories Inc certifies that the above referenced product was tested using the N.I.S.T. traceable standards listed above, and meets or exceeds all published specifications as printed on the product label.

Jamie Louie Quality Manager

Doug Weerstra Laboratory Manager