



Analytical Sensors & Instruments, Ltd.
12800 Park One Drive
Sugar Land, Texas 77478
1-800-545-6132

Certificate of Analysis

Product: **Solution, pH 4.01 Buffer, pH = 4.01 ± 0.02**
Catalog Number: SDH401-xx or SD1001-xx
Lot Number: **7KO-290-1**
Manufacturing Date: 11/15/2007
Expiration Date: 11/15/2008

Contains:

<u>Name</u>	<u>CAS Number</u>
Potassium Hydrogen Phthalate - C ₈ H ₅ O ₄ K	877-24-7
Deionized Water - H ₂ O	7732-18-5
Thymol - C ₁₀ H ₁₄ O (a preservative) - Less than 0.001%	89-83-8

<u>Test Name</u>	<u>Assay Method</u>	<u>Specifications</u>	<u>Results</u>
Physical Properties	Clarity, Color, Odor	Clear, Red, Odorless	Passes Test
Assay	Molar Concentration	0.0503 M	Doubly Verified
Assay	pH	4.01 ± 0.02 pH Units	4.01 pH Units

This is to certify that this product was made, inspected, and tested according to revision controlled master documents that have been reviewed and validated by the manufacturer and the distributor of this product. These master documents assure the quality and the performance of this product by relying on standard, validated, and accepted manufacturing and testing practices. Batch records are retained for a period of not less than three years and document the raw material quality, the production, and testing history for each lot manufactured.

Shelf Life (for unopened container): 12 months from date of manufacture
Recommended Storage: 15°C to 30 °C (59°F to 86°F)

Please dispose of this product in a manner approved by federal, state, and local laws.

George C. Barone III, Ph.D.
Senior Research Chemist
Quality Assurance Director
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