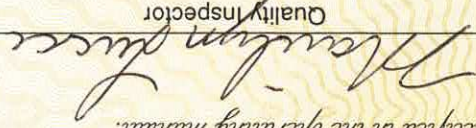


Certificate of Calibration

We hereby certify that the referenced instrument was manufactured in the United States and that it has been calibrated using reference standards traceable to the National Institute of Standards and Technology. This instrument has been fully inspected and has passed all quality tests as specified by Denver Instrument Company quality procedures.

To assure proper measurements, it is necessary to periodically restandardize the electrode and instrument using appropriate buffers or standards as specified in the operating manual.


Mark Kepelove
Quality Inspector

Electrochemical Products Manager


Denver Instrument Company

6542 Fig Street • Arvada, Colorado 80004
303-431-7255 • 1-800-321-1135 • Fax 303-423-4931


Denver Instrument Company

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070501
Passed

P/N 300048.1 Rev. A

P/N 901495.1 Rev.-B-

CERTIFICATE OF ANALYSIS

PRODUCT: BUFFER SOLUTION
pH 4.00 $\pm$ 0.01 at 20°C (Coloured)

LOT NO: 49B2C

DATE OF TEST: 11/02/99

EXPIRY DATE: 01/02

MEAN pH VALUE: 4.00 at 20°C

COMPOSITION: Potassium Hydrogen Phthalate.

pH MEASUREMENT: Certified traceable to U.S. National Institute of Standards and Technology Standard Reference Materials. These are NIST SRM 185f, NIST SRM 186-I-e and NIST SRM 186-II-e.

Shan O'Hea
NIAMH O'HEA
Q.A. OFFICER

Date: 11 February 1999

This certificate must not be reproduced except in full.

CERTIFICATE OF ANALYSIS

PRODUCT: BUFFER SOLUTION
pH 7.00 $\pm$ 0.01 at 20°C (Coloured)

LOT NUMBER: 7012C

DATE OF TEST: 21/09/00

EXPIRY DATE: 28/09/02

MEAN pH VALUE: 7.00 at 20°C

COMPOSITION: Potassium diHydrogen Orthophosphate
diSodium Hydrogen Orthophosphate

pH MEASUREMENT: Certified traceable to U.S. National Institute of Standards and Technology Reference Materials. These are NIST SRM 185f, NIST 186-I-e and NIST SRM 186-II-e.

R. Cooney
ROSEMARY COONEY
Q.A. OFFICER

DATE: 22 September 2000

This Certificate must not be reproduced except in full.