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PCS Instrument Calibration Certificate

Calibration Number: _____ Customer: _____ Issue Date: 25 Jan 2012
 Serial Number: _____ Address: _____ Test Date: _____
 Condition: strCondition

Description of Item Calibrated:

PCS® Pipette Calibration System uses dual-dye, dual-wavelength, and ratiometric photometry to determine the delivered volume of a pipette. The PCS® Instrument is a specialized photometer designed for measuring liquid deliveries.

Traceability:

Calibration is performed on a Mettler microbalance, Serial Number 1117193406, ASN 01148 or Serial Number 1123303108, ASN 01975. The instruments are calibrated yearly through Mettler Toledo Calibration Laboratory using mass standards traceable to International System of units (SI). The instrument performance is verified daily using OIML R111 Class E2 weight sets traceable to the National Institute of Standards and Technology through Troemner, LLC. Certified Reference Materials, Weight Set, Serial Number 68502, ASN 01279, or Serial Number 68348, ASN 01974.

Environmental Conditions:

Liquid Temperature °C Barometric Pressure hPa
 Ambient Temperature °C Relative Humidity % RH

Calibration Method Document Number: 310A4504

Linearity	Results	Uncertainty (k=2)
25% of scale		0.03%
75% of scale		0.03%
100% of scale		0.03%
Instrument Accuracy		0.02%

These results relate only to the instrument identified in this report.

Uncertainty:

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

The A2LA symbol does not imply certification/approval of the products, but rather accreditation of the competency of the Artel Laboratory to perform this calibration. This calibration certificate shall not be reproduced except in full, without written approval of the Artel Laboratory.

Performed by: _____ PerformedBySig _____ Date: 25 Jan 2012
 Technician: _____ strPerformedBy _____

Authorized by: _____ Date: 25 Jan 2012
 Technical Manager: _____ strAuthorizedBy _____

The PCS and its components are covered by patents: US 5,492,673; US 7,772,008; US 7,791,716; EP 0 711 404; EP 0 628 157; DE 693 21 947; JP 2520852; and other US and Foreign Patents Pending.

