



PCS Instrument Calibration Certificate

Calibration Number:	<u>07-01262</u>	Customer:	<u>ABC Laboratory</u>	Issue Date:	<u>06 Jul 07</u>
Serial Number:	<u>7-6141</u>	Address:	<u>1234 Main Street</u>	Test Date:	<u>06 Jul 07</u>
			<u>Anytown</u>	Condition:	<u>New</u>
			<u>USA, 12345</u>		

Description of Item Calibrated:

PCS[®] Pipette Calibration System uses dual-dye, dual-wavelength, 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 microanalytical balance, Serial Number 1117193406, ASN 01148. The instrument is calibrated yearly through Mettler Toledo Calibration Laboratory using NIST traceable standards. The instrument performance is verified daily using standards traceable to NIST through Troemner, LLC. Certified Reference Materials OIML R111 Class E2 Troemner Weight Set, Serial Number 68502, ASN 01279, or OIML R111 Class E2 Rice Lake Weight Set, Serial Number 12XV, ASN 01210.

Environmental Conditions:

Liquid Temperature	21.69 °C	Barometric Pressure	1008 hPa
Ambient Temperature	21.2 °C	Relative Humidity	54.9 % RH

Calibration Method Document Number: 310A4504

Linearity	Results	Uncertainty (k=2)
25% of scale	0.12%	0.09%
75% of scale	-0.05%	0.05%
100% of scale	-0.13%	0.07%
Instrument Accuracy	-0.06%	0.21%

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:	_____	Date:	_____
Technician:	Name Typed		

Authorized by:	_____	Date:	_____
Technical Manager:	Name Typed		

