



**PCS® Calibrator Kit
 Calibration Certificate**

Calibration Number: Str_lot_code1	Customer: strCustomerName	Issue Date: 02 Oct 2018
Serial Number: Str_serial_num	Address: strAddress1	Test Date: strTestDate
Cal A lot number Str_lotA_num	strAddress2	Condition: New
Cal B lot number Str_lotB_num	strAddress3	Kit Exp Date strexpdate
Cal C lot number Str_lotC_num		Lot Code: Str_lot_code2
Cal D lot number Str_lotD_num		

Description of Item Calibrated:

The PCS Calibrator Kit contains four vials (CAL A, B, C and D) with calibrator values, lot code and expiration date. Absorbance of each vial is measured using the Cal A vial as a zero point reference. The ratios are corrected to a reference temperature of 25°C.

Traceability:

Calibration is performed on a Cary UV/VIS Spectrophotometer, Serial Number EL05073629 or MY16020009. These instruments are calibrated monthly using Certified Reference Materials calibrated by National Physical Laboratory, UKAS No. 0478, RM-NIN35N Serial Number 7308, RM-IN2N3N Serial Number 7232, and RM-DID39N Serial Number 8984. The Certified Reference Materials provide traceability to the International System of Units (SI).

Environmental Conditions:

Solution Temperature Str_temp °C

Calibration Method Document Number: 310A2997

This calibration method has been accredited to ISO/IEC 17025, A2LA Certificate #2093-03.

Cal Vial	Absorbance Ratio (520 A/730 A)	Expanded Uncertainty (520 A/730 A) (k=2)
B	str_rat_b	0.0037
C	Str_rat_c	0.0021
D	Str_rat_d	0.0017

These results relate only to the kit 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:	strPerfDate
Technician:	strPerformedBy		
Authorized by:	AuthorizedBySig	Date:	strAuthDate
Technical Manager (or designee):	strAuthorizedBy		

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The Artel PCS and its components are covered by patents listed at www.artel-usa.com/patents.

