

**PCS® Calibrator Kit (PCS-605)
 Calibration Certificate**

Calibration Number: 00400608A	Customer: Artel, Inc.	Issue Date: 20 Feb 2020
Serial Number: 00400608	Address: 25 Bradley Dr.	Test Date: 31 Oct 2019
Cal A lot number C10826191	Westbrook, ME 04092	Condition: New
Cal B lot number C20823191	USA	Kit Exp Date Feb 2021
Cal C lot number C30823191		Lot Code: 8618
Cal D lot number C40822191		

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 7282, and RM-FID39N Serial Number 8984. The Certified Reference Materials provide traceability to the International System of Units (SI).

Environmental Conditions:

Solution Temperature 21.685 °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	1.0296	0.0037
C	0.9816	0.0021
D	1.0107	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.

Authorized by: Date: 20 Feb 2020
 Technical Manager (or designee): Judi Schantz

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

