

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

Calibration Number: 00704612	Customer: Artel, Inc.	Issue Date: 26 Jul 2021
Serial Number: 00704612	Address: 25 Bradley Dr.	Test Date: 28 Dec 2020
Cal A lot number C11210201	Westbrook, ME 04092	Condition: New
Cal B lot number C21210201	USA	Kit Exp Date Jun 2022
Cal C lot number C31210201		Lot Code: 29332
Cal D lot number C41210201		

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 annually and verified monthly using Certified Reference Materials calibrated by National Physical Laboratory, UKAS No. 0478 and Starna Scientific Ltd Calibration Lab, UKAS No. 0659: RM-NIN35N Serial Number 7308, RM-IN2N3N Serial Number 7232, RM-DID39N Serial Number 8984, and RM-SRM9ND Serial Number 33877. The Certified Reference Materials provide traceability to the International System of Units (SI).

Environmental Conditions:

Solution Temperature 20.797 °C

Calibration Method Document Number: 310A2997

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

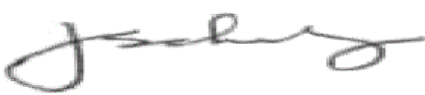
Cal Vial	Absorbance Ratio (520 A/730 A)	Expanded Uncertainty (520 A/730 A) (k=2)
B	1.0185	0.0037
C	1.0148	0.0021
D	1.0085	0.0017

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: 
Technical Manager (or designee): Judi Schantz

Date: 26 Jul 2021

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

