

## CALIBRATION CERTIFICATE

Date of issue: February 28, 2022

Certificate No: SW/0140/2022

Page: 1 / 2

<b>OBJECT OF CALIBRATION</b>	Single-channel piston pipette Manufacturer: Corning HTL SA Serial number: 556660614 Volume: ( 100 - 1000 ) $\mu$ l Pipette tips: AXYGEN
<b>APPLICANT</b>	Corning HTL SA 4 Daniszewska Str., 03-230 Warsaw, Poland
<b>PLACE OF CALIBRATION</b>	Corning HTL SA 4 Daniszewska Str., 03-230 Warsaw, Poland
<b>CALIBRATION METHOD</b>	Control and Calibration Instruction IQL-03-QS p. 7.2, rev. 6 of December 30, 2021
<b>ENVIRONMENTAL CONDITIONS</b>	Air temperature: ( 24.1 $\div$ 24.6 ) $^{\circ}$ C Relative humidity: ( 49.3 $\div$ 52.4 ) % Atmospheric pressure: ( 1018.3 $\div$ 1019.7 ) hPa
<b>DATE OF CALIBRATION</b>	February 26, 2022
<b>TRACEABILITY</b>	This certificate is issued under the agreement EA MLA in the field of calibration and provides traceability of measurement results to the International System of Units (SI).
<b>CALIBRATION RESULTS</b>	The results have been presented on page 2 of this certificate including uncertainty of measurement. The measurement results only apply to the calibrated instrument.
<b>UNCERTAINTY OF MEASUREMENT</b>	Uncertainty of measurement has been evaluated in compliance with EA-4/02 M:2013. The expanded uncertainty assigned corresponds to a coverage probability of 95% and the coverage factor $k = 2$ .



Kierownik Techniczny Laboratorium  
  
Krzysztof Kostro-Olechowski

CALIBRATION CERTIFICATE issued by ACCREDITED LABORATORY No AP 169

Date of issue: February 28, 2022

Certificate No: SW/0140/2022

Page: 2 / 2

**CALIBRATION  
RESULTS**

Calibration results are the following:

The value of reference volume $V_0$ $\mu\text{l}$	Measured volume $V$ $\mu\text{l}$	Measurement error $\Delta V$ $\mu\text{l}$	Uncertainty of measurement $U$ $\mu\text{l}$
100	100.07	0.07	0.33
500	497.32	-2.68	1.60
1000	996.82	-3.18	1.60

**ADDITIONAL  
INFORMATION**

The measured volume value is based on the reference temperature = 20°C.

Authorized by: Katarzyna Kupiec

*Katarzyna Kupiec*