



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994 & ANSI/NCSL Z540.3-2006

MATPHIL TECHNOLOGIES, INC.
DBA ACCUTEK LABORATORIES
DBA PIPETTE.COM

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CALIBRATION

Valid To: November 30, 2019

Certificate Number: 2902.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations¹:

I. Fluid Quantities

Parameter/Equipment	Range	CMC ² (±)	Comments
Volume ³	(0.1 to 0.2) µL	0.012 µL	5-, 6- and 7-place ultra micro balances
	(0.2 to 2) µL	0.035 µL	
	(2 to 10) µL	0.064 µL	
	(10 to 20) µL	0.051 µL	
	(20 to 100) µL	0.18 µL	
	(100 to 200) µL	0.53 µL	
	(200 to 1000) µL	1.2 µL	
	(1000 to 2000) µL	2.4 µL	
	(2000 to 5000) µL	2.7 µL	
	(5000 to 10 000) µL	38 µL	
	(10 000 to 20 000) µL	32 µL	
	(20 000 to 50 000) µL	42 µL	
	(50 000 to 100 000) µL	43 µL	

¹ This laboratory offers commercial calibration service.

² Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2.8$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³The technique involves gravimetric pipetting of laboratory grade water (reference material) obtained from an approved preferred vendor.

A handwritten signature in black ink, appearing to be 'L. S. L.', written in a cursive style.



Accredited Laboratory

A2LA has accredited

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San Diego, CA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSLI Z540-1-1994 and the requirements of ANSI/NCSLI Z540.3-2006 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).



Presented this 27th day of October 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2902.01
Valid to November 30, 2019

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.