



**National Voluntary  
Laboratory Accreditation Program**



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**Rainin Instrument LLC Tokyo, Japan Pipette Service**

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**CALIBRATION LABORATORIES**

**NVLAP LAB CODE 200842-0**

**Scope Revised: 2008-12-22**

*NVLAP Code:* 20/A01

ANSI/NCSL Z540-1-1994; Part 1

Compliant

**MECHANICAL**

*NVLAP Code:* 20/M12

Volume Pipettes

Gravimetric Method

<i>Pipette Nominal Volume in <math>\mu</math>L</i>	<i>% of Nominal Value</i>	<i>Best Uncertainty (<math>\pm</math>) in <math>\mu</math>L <sup>note 1</sup></i>
2	10	0.0033
2	50	0.0049
2	100	0.0037
10	10	0.0045
10	50	0.005
10	100	0.007
20	10	0.016
20	50	0.017
20	100	0.020
100	10	0.047
100	50	0.069
100	100	0.132
200	10	0.085
200	50	0.159

2008-11-25 through 2009-12-31

*Effective dates*

*Sally S. Bruce*

*For the National Institute of Standards and Technology*



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200	100	0.198
1000	10	0.56
1000	50	0.74
1000	100	0.92
2000	10	0.61
2000	50	1.43
2000	100	1.57
5000	10	1.05
5000	50	1.23
5000	100	4.32
10 000	10	3.89
10 000	50	6.31
10 000	100	10.33
20 000	10	8.68
20 000	50	9.31
20 000	100	18.91

1. Represents an expanded uncertainty using a coverage factor,  $k = 2$ , at an approximate level of confidence of 95 %.

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