

Certificate of Pipette Calibration

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Instrument data:	Results from gravimetric tests: EX
Instrument: Gilson Pipetman P200 200 μ l Variabel	Test volume: (μ l) 200 100 50
No. X1000Z	Value: (mg) 199.44 99.72 49.86
Thermometer: Traceable Cal. Control Co.	X 1 199.6 99.88 50.06
No. 72338974	X 2 199.5 99.86 50.09
Balance: Sartorius CP225D	X 3 199.3 99.91 50.05
No. 17507464	X 4 199.7 99.87 50.05
Temperature: 19.90 °C / 67.82 °F	X 5 199.6 99.92 50.07
Relative humidity 50% \pm 15%	
Correction factor z: 1.00282	
Atmosph. pressure abs(hPa): 1001	
Note	

“AS RETURNED” RESULTS

Data Analysis Definitions:

o.k. = Indicates “Passed”
 Error = Indicates “Failed”
 A(%) Nominal = % Error Tolerance*
 CV(%) Nominal = CV% Tolerance*
 *per manufacturer tolerance specifications

All equipment has been calibrated using ISO 17025 standards.

Data analysis:				
Test volume:	μ l	200	100	50
V Mean	μ l	200.10	100.17	50.21
A(%)	Actual	0.05	0.17	0.41
CV(%)	Actual	0.08	0.03	0.03
A(%)	Nominal	0.8	0.8	1.0
CV(%)	Nominal	0.15	0.25	0.4
Result A		ok	ok	ok
Result CV		ok	ok	ok

The test was carried out according to:	CAP
Next test	09.2020
Result:	Gravimetric test ok
Test date:	03.13.2020
Test Operator:	S. Burns
Signature:	<i>S. Burns</i>