

# PIPETTE TRACKER REPORT - DETAILED CALIBRATION

**Device ID:** 1358404954  
**Description:** Gilson Pipetman P-100, variable, 100ul, 1ch  
**Serial #:**  
**Method:** Quick Check  
**Test Plan:** 100 ul, variable  
**Operator:** ADMIN

**Customer:** ABC Laboratories  
**Contact:** Mike Jones  
**Location:** Lab 432  
**Address:** 555 Aliquot Lane  
 Savannah  
 Georgia, USA



546 Governors Road  
 Guelph, Ont. N1K 1E3  
 Phone: 519-767-1061 Fax: 519-836-4431

**Environmental Factors**

Temperature: 20.50 °C  
 Barometric Pressure: 101.50 kPa  
 Relative Humidity: 50.50 %  
 Liquid Density: 0.9981

**Calibration Date:** 01/28/2010

Z Factor: 1.00296  
 Air Density: 0.00120  
 Cubic Expansion: 0.00000

Tip Information  
 Tip Name: 100 uL  
 Batch Number: 56-A343

**STATUS:**  
**As Calibrated: Passed**  
**As Found: Passed**  
**Next Due: 04/28/2010**

Comment:

**MEASUREMENT STANDARDS**

Name	Description	Serial Number	Last Calibration	Next Calibration
Sartorius Genius	Pipette calibration balance	63434	12/01/2009	06/01/2010
Vaisala PMT330	Temp, Humidity, Barometric Pressure	734523452	09/01/2009	03/01/2010

**MAINTENANCE**

- Cleaned Shaft
- Greased Seals
- Replaced O-rings
- Replaced Shaft

**NOTES:** Disassembled, cleaned, re-assembled.

## As Calibrated

**SUMMARY STATISTICS**

	Mean	SD	UNC +/-	Accuracy %		Precision %		Status
				Actual	Target	Actual	Target	
10.0 µL	10.00316	0.00352	0.01860	0.03158	1.00000	0.03514	na	<b>Passed</b>
50.0 µL	50.04589	0.04618	0.04624	0.09178	1.00000	0.09227	na	<b>Passed</b>
100.0 µL	100.12588	0.14826	0.13534	0.12588	1.00000	0.14807	na	<b>Passed</b>

**Corrected Sample Values (µL)**

	1	2	3	4	5
10.0 µL	10.00456	10.00456	10.00757	9.99955	9.99955
50.0 µL	49.99775	50.09804	50.07798	50.05792	49.99775
100.0 µL	100.30641	100.26629	100.04564	99.99549	100.01555

## As Found

**SUMMARY STATISTICS**

	Mean	SD	UNC +/-	Accuracy %		Precision %		Status
				Actual	Target	Actual	Target	
10.0 µL	10.01121	0.02858	0.03147	0.11208	1.00000	0.28549	na	<b>Passed</b>
50.0 µL	50.11028	0.05167	0.05069	0.22056	1.00000	0.10312	na	<b>Passed</b>
100.0 µL	100.24089	0.07501	0.07237	0.24089	1.00000	0.07483	na	<b>Passed</b>

**Corrected Sample Values (µL)**

	1	2	3	4	5
10.0 µL	10.02502	10.03505	9.98370	9.97698	10.03529
50.0 µL	50.15822	50.16825	50.09804	50.07899	50.04789
100.0 µL	100.34653	100.25034	100.25064	100.21955	100.13741

Signature: \_\_\_\_\_ Date: \_\_\_\_\_