Report of Calibration

Bio-Tek Services, Inc. 5310 South Laburnum Avenue, Richmond, VA. 23231 (1-800-792-3625)
ISO/IEC 17025:2005 Accredited

Calibration Type: **As Calibrated**

Vermont Forensic Laboratory - Department of Public Safety

Contact Name: Rebecca L. Mead
Location/Dep't:
Phone: (802) 244-8788

103 South Main Street
Waterbury, VT 05671

Device ID: **HJ21337** *Serial#:* **HJ21337** **Cal Date:** **21 Jan 2014** **Next Due Date:** **Jul 2014**

Manufacturer: Finnpipette, fixed, 1000, 1-ch
Method: Level I
Operator: Al Gunduz

Size: 1000 ul **Tip used:** Generic Pipette Tip
Test Plan: IS0 17025, 1000uL, fixed, 1-ch
Balance ID: AD4212B-101 S/N # T0100294
Weight SN# BTS-WT-039 S/N 1012016

Status: ***Passed***
Certificate#: 25934-005
Comment:

Environmental Factors

Temperature: 19.90 ° C Z Factor: 1.00283 Bar Pressure752.60 mmHg Density: 0.9982 Humidity: 11.70 % Air Density: 0.00119

SUMMARY STATISTICS

Target Volume(uL)	Channel	Mean Volume	SD	Accuracy % Actual	Accuracy % Target	Precision % Actual	Precision % Target	Status
1,000.00	1	1,013.0060	4.5370	1.30	2.00	0.45	2.00	Passed

Uncertainty = 3.074

Sample	Sample Wt. (mg)	Actual Volume (uL)
1	1,014.5000	1,017.3690
2	1,010.2000	1,013.0570
3	1,012.0000	1,014.8620
4	1,003.9000	1,006.7390

Signature: Alper Kundy

BTS-SOP-002 Template Rev 20 April 2012

The calibration results reported in this certificate were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). This calibration meets the specifications outline in ISO/IEC 17025:2005. The uncertainty results reported on the supplement represents the Calibration and Measurement Capabilities (CMC) of the laboratory. Actual uncertainties are available from the organization upon request and were accounted for in making Pass/Fail determinations.

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SUMMARY STATISTICS

Target Volume(uL)	Channel	Mean Volume	SD	Accuracy % Actual	Accuracy % Target	Precision % Actual	Precision % Target	Status
1,000.00	1	1,010.1480	9.3770	1.02	2.00	0.93	2.00	Passed

Sample	Sample Wt. (mg)	Actual Volume (uL)
1	993.7000	996.5100
2	1,008.6000	1,011.4520
3	1,013.4000	1,016.2660
4	1,013.5000	1,016.3660

Uncertainty = 10.754
* May Pass or Fail with uncertainty criteria

Signature: Alper Kundy

BTS-SOP-002 Template Rev 20 April 2012

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