



PIPETTE VALIDATION REPORT

Bio-Tek Services, Inc.
 5310 South Laburnum Avenue
 Richmond, VA, 23231
 804-222-5833, 804-222-5360
 ISO/IEC 17025:2005 Accredited



VERMONT STATE FORENSICS
 103 S. Main St.
 Waterbury, VT, 05671
 802-241-5279

Contact Name : Alex Thompson
 Phone : 802-241-5279
 Calibration Type : **As Calibrated**

Method : Service
 Tip Used : General Purpose Tip
 Operator : Stephen Halliday
 Environmental Factors

Manufacturer : ThermoScientific
 Size : 500uL Fixed
 Balance ID : 0001013833 SN#: SR011014152848
 Weight SN# : SR011014151942 for 50g

Serial # : HH94382
 Certificate # : 000155-008
 Cal Date : 20-Jan-2016
 Next Due Date : **July 2016**

Test Plan : ISO 17025
 Status : **Passed**

Humidity : 70.0 % Temperature : 20.9 °C Bar Pressure : 29.64 In Hg Density : 0.9980 Z Factor : 1.00304 Air Density : 0.00119

Summary Statistics

Target Volume (uL)	Channel	Mean Volume (uL)	SD	Accuracy %		Precision %		Status	Sample	Sample Wt. (mg)	Actual Volume (uL)	Expanded Uncertainty (uL) K=2
				Actual	Target	Actual	Target					
500.0	1	501.7910	2.7991	0.36	2.00	0.56	2.00	Passed	1	503.8500	505.3794	5.598
									2	501.0900	502.6110	
									3	497.7300	499.2408	
									4	498.4200	499.9329	

Comments :

Signature :

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 represents the Calibration and Measurement Capabilities (CMC) of the laboratory and were accounted for in making Pass/Fail determinations.



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500.0	1	506.6332	3.5715	1.33	2.00	0.71	2.00	Passed	1	510.3400	511.8891	7.143
									2	504.2600	505.7906	
									3	503.2100	504.7374	
									4	502.5900	504.1155	

Comments :

Signature :

BTS-SOP-002

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