



CALIBRATION CERTIFICATE

CERTIFICATE ID: 138802

PIPETTE IDENTIFICATION

CATALOG NO.	1057-0200	CUSTOMER ID	Sample
MODEL	Ovation QS Pipette	REPAIR NO.	IS12345
SERIAL NO.	123456	TECHNICIAN ID	Jon B

TESTING CONDITIONS

WATER TEMP (°C)	20.61	BALANCE MODEL	Sartorius MSE 125P
AIR TEMP (°C)	21.20	BALANCE SERIAL NO.	29101650
RELATIVE HUMIDITY (%)	53.7	TIPS USED	4060-2004
BAROMETRIC PRESSURE (mmHg)	744.97	"Z" FACTOR	1.0030
		TEST METHOD	To Contain

TESTING INFORMATION

TESTING DATA

(measured weight - mg)	<u>Volume 1</u>	<u>Volume 2</u>
Weighing 1	20.04	200.04
Weighing 2	20.04	200.04
Weighing 3	20.04	200.04
Weighing 4	20.04	200.04
Mean (mg)	20.04	200.04

CALIBRATION VERIFICATION RESULTS

Mean Test Volume (µL)	20.10	200.64
Accuracy (±%)	0.50	0.32
Precision (CV%)		

PERFORMANCE SPECIFICATIONS

Nominal Test Volume (µL)	20.00	200.00
Accuracy (±%)	2.50	0.80
Precision (CV%)	1.00	0.15

PIPETTE STATUS **PASS** **PASS**

Comments:

Performed By: Jon Benack Title: Technician Date of Testing: 5/4/2016