ISO 17025
CALIBRATION CERTIFICATE

CERTIFICATE ID: 309057

PIPETTE IDENTIFICATION

CUSTOMER ID	JVW 25-850	CATALOG NO.	1060-0850
CUSTOMER NAME	[redacted]	MODEL	Ovation 12-Channel Multic
ADDRESS 1		SERIAL NO.	213712
ADDRESS 2		REPAIR NO.	WD37542
CITY, STATE, ZIP	Hayward CA 94545	TECHNICIAN ID	Y.B.

TESTING CONDITIONS

WATER TEMP (ºC)	21.02	BALANCE MODEL	Sartorius MC210S
AIR TEMP (ºC)	21.70	BALANCE SERIAL NO.	70608696
RELATIVE HUMIDITY (%)	52.3	TIPS USED	VistaLab 4060-3004
BAROMETRIC PRESSURE (mmHg)	746.70	"Z" FACTOR	1.0031
		TEST METHOD	ISO 8655

TESTING INFORMATION

TESTING DATA

(measured weight - mg)	Volume 1	Volume 2
Weighing 1	85.55	849.54
Weighing 2	85.51	849.47
Weighing 3	85.45	849.45
Weighing 4	85.27	849.64
Weighing 5	85.40	849.81
Weighing 6	85.64	849.69
Weighing 7	85.52	849.69
Weighing 8	85.72	849.38
Weighing 9	85.48	849.56
Weighing 10	85.46	849.78
Mean (mg)	85.50	849.60

CALIBRATION VERIFICATION RESULTS

Mean Test Volume (µL)	85.77	852.23
Accuracy (±%)	0.91	0.26
Precision (CV%)	0.14	0.02
Uncertainty (± µL)	0.23	0.87

PERFORMANCE SPECIFICATIONS

Nominal Test Volume (µL)	85.00	850.00
Accuracy (±%)	3.50	1.00
Precision (CV%)	1.00	0.30

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

Comments:

CALIBRATION RESULTS FOR CHANNEL #11.

Performed By: _____ Title: Technician Date of Calibration: 4/11/2025

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This calibration was performed gravimetrically using equipment that is traceable through NIST to the International System of Units (SI). Testing methodology is compliant with ISO 8655. Accounting for the uncertainty means that a 95% confidence level, the measurement result ± the expanded uncertainty (k=2) shall be within specification limits. Uncertainty was considered when determining Pass/Fail. This calibration certificate applies only to the item described and shall not be reproduced other than in full. Customer is responsible for determining suitability of use. Vistalab Technologies is accredited to ISO/IEC 17025:2017 for calibration by PJLA, accreditation # 81996.