

Tested Item

Part Number: 4624
 Serial Number: 7019646
 Pipet Factor: 0.9920
 Firmware Version: 4.21

Test Equipment

GripTip Part #: 4442
 Balance S/N: 37001959
 Calibration Due: 01/2021

Test Conditions

Date: (dd.mm.yy) 08.06.20
 Location: Switzerland
 Lab Technician: Jelica Klaric
 Temperature (°C): 23.3
 Air Pressure (hPa): 949.6
 Z-Factor: 1.0035

Pipette Factory Specifications

Test Volume (µl) 1250 125
 Accuracy (±%) 1.20 6.00
 Precision (≤%) 0.30 1.10

PASS

Gravimetric Data

Test Volume (µl) 1250

	Ch 1	Ch 2	Ch 3	Ch 4	Ch 5	Ch 6	Ch 7	Ch 8
Dispense 1 (µl)	1256.11	1256.28	1256.69	1258.50	1258.81	1256.85	1257.58	1259.26
Dispense 2 (µl)	1257.76	1257.84	1258.67	1260.09	1260.57	1258.49	1259.24	1260.84
Dispense 3 (µl)	1257.48	1257.60	1258.53	1260.04	1260.48	1258.45	1259.29	1260.85
Dispense 4 (µl)	1257.11	1257.41	1258.23	1259.80	1260.23	1258.21	1259.14	1260.74
Dispense 5 (µl)	1256.51	1256.91	1257.72	1259.37	1259.86	1257.84	1258.75	1260.29
Test Statistics								
Mean (µl)	1257.00	1257.21	1257.97	1259.56	1259.99	1257.97	1258.80	1260.40
Std. Deviation (µl)	0.68	0.62	0.80	0.66	0.72	0.67	0.71	0.67
Accuracy (%)	0.56	0.58	0.64	0.76	0.80	0.64	0.70	0.83
Precision (%)	0.05	0.05	0.06	0.05	0.06	0.05	0.06	0.05

Gravimetric Data

Test Volume (µl) 125

	Ch 1	Ch 2	Ch 3	Ch 4	Ch 5	Ch 6	Ch 7	Ch 8
Dispense 1 (µl)	130.26	130.13	130.49	130.85	131.03	130.89	131.10	131.10
Dispense 2 (µl)	130.10	129.96	130.31	130.74	130.83	130.81	130.95	131.11
Dispense 3 (µl)	130.40	130.31	130.62	131.06	131.07	131.07	131.17	131.53
Dispense 4 (µl)	130.42	130.33	130.58	130.98	131.10	130.72	131.21	131.13
Dispense 5 (µl)	130.67	130.45	130.78	131.33	131.32	131.27	131.43	131.42
Test Statistics								
Mean (µl)	130.37	130.23	130.56	130.99	131.07	130.95	131.17	131.26
Std. Deviation (µl)	0.21	0.19	0.17	0.23	0.18	0.22	0.18	0.20
Accuracy (%)	4.29	4.19	4.44	4.79	4.86	4.76	4.94	5.01
Precision (%)	0.16	0.15	0.13	0.17	0.13	0.17	0.13	0.15

Approved By:

Certificate Number:

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