# Pipette Monitoring and Maintenance

Manufacturer Hamilton Model _____
Serial Number 041815 Capacity 10-100µl

**Pipette Identification** 1815

Date 10/14/2025 Analyst mh $H_2O$ °C Start 20.5 $H_2O$ °C End 20.5 Room °C 20.5 Humidity % 63 Theoretical ρ N/A

| Low 10µl | | | Mid-Level 50µl | | | High 100µl | | |
|---|---|---|---|---|---|---|---|---|
| Measured | | Actual | Measured | | Actual | Measured | | Actual |
| 1. | 10 | 1. 0.0102 | 1. | 50 | 1. 0.0498 | 1. | 100 | 1. 0.1002 |
| 2. | 10 | 2. 0.0101 | 2. | 50 | 2. 0.0503 | 2. | 100 | 2. 0.1000 |
| 3. | 10 | 3. 0.0101 | 3. | 50 | 3. 0.0499 | 3. | 100 | 3. 0.1003 |
| Actual: $\bar{x}$ = 10.1 | | $\sigma$ = 0.058 % 101.3 | Actual: $\bar{x}$ = 50.0 | | $\sigma$ = 0.215 % 100 | Actual: $\bar{x}$ = 100.2 | | $\sigma$ = 0.153 % 100.2 |

☑ Pass
☐ Re-Check
☐ Fail

Notes:

Date _____ Analyst _____ $H_2O$ °C Start _____ $H_2O$ °C End _____ Room °C _____ Humidity % _____ Theoretical ρ _____

| Low | | | Mid-Level | | | High | | |
|---|---|---|---|---|---|---|---|---|
| Measured | | Actual | Measured | | Actual | Measured | | Actual |
| 1. | | 1. | 1. | | 1. mh | 1. | | 1. |
| 2. | | 2. | 2. | 10/14/2025 | 2. | 2. | | 2. |
| 3. | | 3. | 3. | | 3. | 3. | | 3. |
| Actual: $\bar{x}$ = | | $\sigma$ = % | Actual: $\bar{x}$ = | | $\sigma$ = % | Actual: $\bar{x}$ = | | $\sigma$ = % |

☐ Pass
☐ Re-Check
☐ Fail

Notes: