



Pipette Monitoring and Maintenance

Manufacturer Eppendorf Model Repeater E3x
 Serial Number H44205L Capacity _____

Pipette Identification #205L

Date 11/24/2024 ^{11/21/2024} Analyst mh H₂O °C Start 21.4 H₂O °C End 21.4 Room °C 21.4 Humidity % 45 Theoretical ρ n/a

Low <u>100µl</u>		Mid-Level <u>1000µl</u>		High <u>5000µl</u>	
Measured	Actual	Measured	Actual	Measured	Actual
1. <u>0.1 mL</u>	1. <u>0.0975</u>	1. <u>1.0 mL</u>	1. <u>0.9963</u>	1. <u>5.0 mL</u>	1. <u>4.9857</u>
2. <u>0.1 mL</u>	2. <u>0.0967</u>	2. <u>1.0 mL</u>	2. <u>1.0004</u>	2. <u>5.0 mL</u>	2. <u>4.9863</u>
3. <u>0.1 mL</u>	3. <u>0.0975</u>	3. <u>1.0 mL</u>	3. <u>0.9991</u>	3. <u>5.0 mL</u>	3. <u>4.9911</u>
Actual: $\bar{x} = 0.0972$ $\sigma = 0.00046$ % <u>99.97</u>		Actual: $\bar{x} = 0.9986$ $\sigma = 0.0021$ % <u>100</u>		Actual: $\bar{x} = 4.9877$ $\sigma = 0.00296$ % <u>100</u>	

Pass
 Re-Check
 Fail

Notes:

Date _____ Analyst _____ H₂O °C Start _____ H₂O °C End _____ Room °C _____ Humidity % _____ Theoretical ρ _____

Low <u>10,000µl</u>		Mid-Level		High	
Measured	Actual	Measured	Actual	Measured	Actual
1. <u>10 mL</u>	1. <u>9.9715</u>	1. _____	1. _____	1. _____	1. _____
2. <u>10 mL</u>	2. <u>9.9836</u>	2. _____	2. _____	2. _____	2. _____
3. <u>10 mL</u>	3. <u>9.9802</u>	3. _____	3. _____	3. _____	3. _____
Actual: $\bar{x} = 9.9784$ $\sigma = 0.00624$ % <u>100</u>		Actual: $\bar{x} =$ _____ $\sigma =$ _____ % _____		Actual: $\bar{x} =$ _____ $\sigma =$ _____ % _____	

Pass
 Re-Check
 Fail

Notes: