

Sample Data - pH

Standardization

For each entry, pick any value that falls within the ranges given. Choose different values for each trial.

Mass KHP (g): **0.505-0.510**

Initial burette reading (mL): **0.10-0.15**

Final burette reading (mL): **24.10-24.15**

Complete the remaining calculations in the table using your entered data.

Titration Data

For each entry in the report sheet, pick any value that falls within the ranges given. Choose different values for each trial.

<i>NaOH (mL)</i>	<i>pH</i>		<i>NaOH (mL)</i>	<i>pH</i>
0.00	1.12-1.13		8.00	1.65-1.66
0.50	1.15-1.16		8.50	1.70-1.71
1.00	1.17-1.18		9.00	1.75-1.76
1.50	1.20-1.21		9.50	1.81-1.82
2.00	1.23-1.24		10.00	1.87-1.88
2.50	1.26-1.27		10.50	1.94-1.95
3.00	1.29-1.30		11.00	2.02-2.03
3.50	1.32-1.33		11.50	2.12-2.13
4.00	1.35-1.36		12.00	2.24-2.25
4.50	1.38-1.39		12.50	2.41-2.42
5.00	1.42-1.43		13.00	2.67-2.68
5.50	1.45-1.46		13.50	3.34-3.35
6.00	1.48-1.49		13.75	10.56-10.57
6.50	1.52-1.53		14.00	11.07-11.08
7.00	1.56-1.57		14.25	11.29-11.30
7.50	1.61-1.62		14.50	11.43-11.44

Upload the chosen data and graphs for the two trials.

Calculation of Unknown Acid Concentration

Volume of NaOH at equivalence point **Determine from your graphs**

Volume of unknown acid used **20.00-20.50**

Complete the remaining calculations and questions, and upload any additional supporting information as normal into Labflow.