

➤ Titration Trials (Phenylalanine)

Table 1: Titration Trial 1

Volume Added (mL)	pH Value
0	5.912
4	6.289
8	6.625
12	7.050
16	7.617
21	8.202
24	8.397
26	8.467
31	8.728
36	8.942
41	9.102
46	9.222
51	9.362
56	9.445
61	9.485
68	9.547
75	9.590
82	9.663
89	9.663
96	9.681
103	9.7
110	9.718
120	9.741

Table 1 lists the pH values per volume added for the first titration.

Table 2: Titration Trial 2

Volume Added (mL)	pH Value
0	4.719
5	5.118
10	6.373
15	7.2
20	8
25	8.336
30	8.513
37	8.791
44	8.951
51	9.043
58	9.083

Table 2 list the pH values per volume added for the second titration.

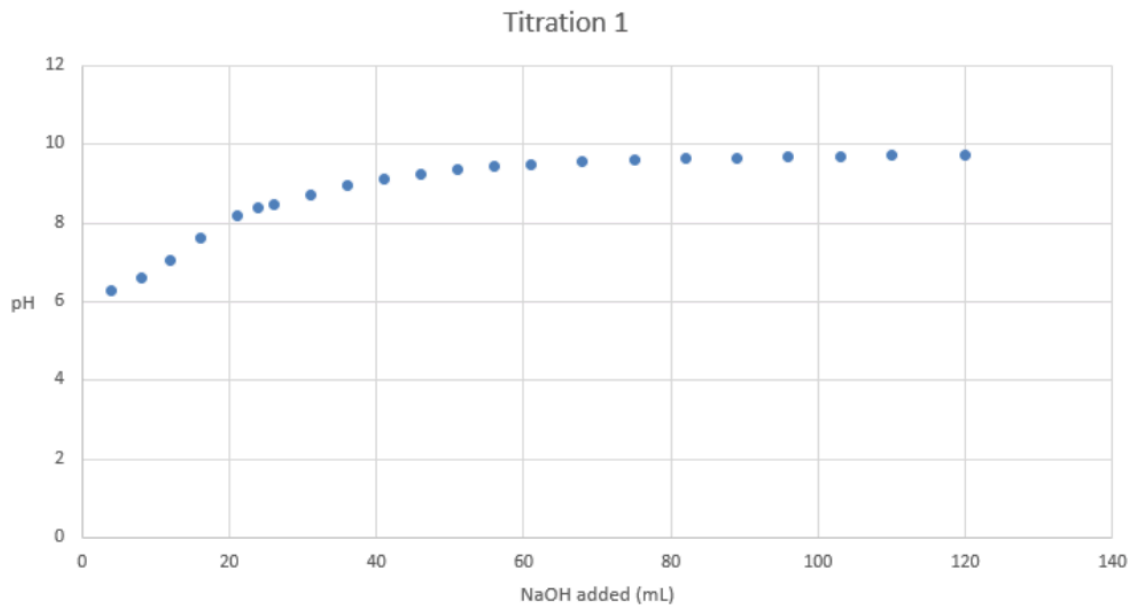
Table 3: Titration Trial 3

Volume Added (mL)	pH Value
0	4.654
7	6.2
14	8.030
19	8.386
24	8.602
29	8.753
34	8.875
39	8.965

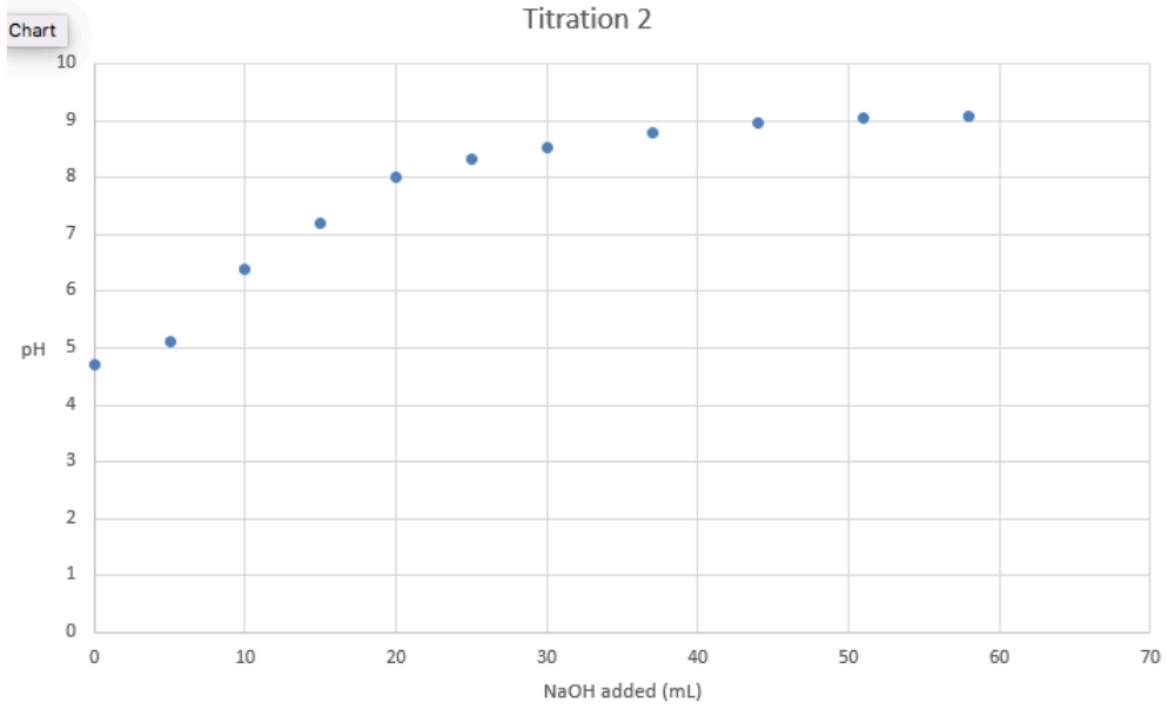
Table 3 lists the pH values and volume added for the third titration.

Figure 1: Graphs of the Three Titrations

(a)



(b)



(c)

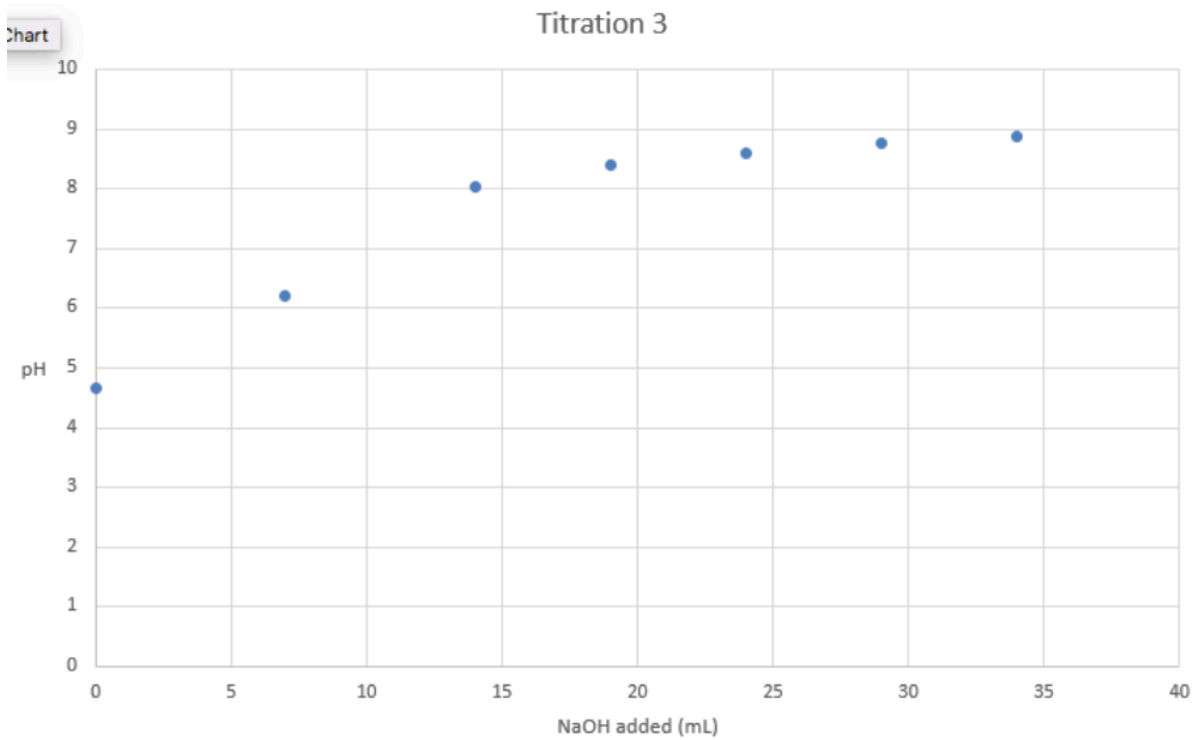


Figure 1 shows the three titration graphs. (a) shows the first titration. This graph hits a plateau around 40mL of NaOH added. (b) shows the second titration. This graph hits a plateau around

35mL of NaOH added. (c) shows the third titration. This graph hits a plateau around 15mL of NaOH added.