

Temperature	Weight of Benzoic Acid Solution			Volume of Sodium Hydroxide used		
	Initial	Final	Amount	Initial	Final	Amount
20	121.76	146.96	25.2	6.8	49.4(47.4)	42.6
30	118.21	137.71	19.5	3.9	36.2	32.3
40	113.73	123.36	9.63	3	18.25(19.25)	15.25

Solubility

0.03395

0.033263

0.031795

IF I CHANGE THE DATA OBTAINED TO THE RED COLOUR NUMBER,THE TREND OF BELOW GRAPH IS A PROPORTIONAL LINEAR LINE.

