

Standardization of NaOH

Your group must complete a MINIMUM of FOUR TRIALS and three trials must agree WITHIN $\pm 1\%$. You may actually do more depending upon your technique. You cannot just “cross out” data because you don’t like it; you must indicate the reason for discarding. The reason may be obvious such as “overran endpoint” or you may only be able to discard value based upon statistical tests.

Trial				
Final Volume (mL)				
Initial Volume (mL)				
Volume Used (mL)				
Grams KHP (g)				
Moles KHP (mol)				
Molarity Base (M)				
Comments				

Sample Calculation for Molarity

Justification for Discarding Data (4D test on outlier). There is an assignment in WebAssign that will enable you to check your statistical calculations.

Report the Mean Molarity \pm Std. Deviation: _____