**VOLUMETRIC ANALYSIS PRACTICAL TEST - 3 STATIONS**

**GOAL: Students use titration skills to determine mass % of Na2CO3 in a mixture. This is a test of accuracy, so it is crucial solutions are prepared accurately. Thanks!**

**EQUIPMENT PER STATION**:

Retort stand and burette clamp

Burette – 50ml

Pipette – 20ml

Pipette filler

Funnel – glass if possible

Methyl Orange indicator – dropper bottle

Phenolphthalein indicator – dropper bottle

White card – laminated

Conical flasks x2 – 250ml

Wash bottle – distilled water

Disposable Pasteur pipette

Na2CO3/NaCl mixture and Standardized HCl Solutions – 100ml each, labelled

Bench mat

**SOLUTIONS PROVIDED:**

**HYDROCHLORIC ACID 0.1M – 1.30L divided into 100mL per group**

**Please provide standardized concentration.**

**SODIUM CARBONATE / SODIUM CHLORIDE SOLUTION**

**In 1.5L dissolve:**

**6.39g Na2CO3 & 9.53g NaCl**

**Please provide density of solution & exact mass of Na2CO3 dissolved.**