

071106T4SLT

SCIENCE LABORATORY TECHNOLOGY LEVEL 6

SLT/OS/SL/CR/03/6/A

Apply Chemistry Techniques

July/August 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACTICE

ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks

- I. Prepare a standard solution of 1M sodium hydroxide in a 250ml volumetric flask
- II. Determine the Relative Atomic mass of M in the divalent metal carbonate by back titration method using the solution prepared in task I.

2. You have been provided with the following resources for the practical tasks:

1. You are provided with

- Three portions of 100ml 0.5M HCL.
- Three portions of accurately weighed 1.0g MCO_3
- Conical flasks
- Wash bottle filled with distilled water
- Burrete
- Clamp and stand
- Phenolphthalein indicator
- 250ml volumetric Flask
- 250ml Beaker
- Stirring rod
- Sodium hydroxide pellets
- Labels
- Dropper
- White tile