

Specification of Competency Standards
for the Testing, Inspection and Certification Industry
Unit of Competency

Functional Area - Testing Operations

Title	Apply cleansing methods for labware
Code	105799L2
Range	This unit of competency (UoC) covers the abilities to apply suitable cleansing methods and procedures for various labware in testing laboratories.
Level	2
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge and working principles of a selected range of cleansing agents/equipment and their respective cleansing procedures and techniques</p> <ul style="list-style-type: none"> • Identify cleansing methods and the respective working mechanisms, e.g. decontamination. • Identify cleansing agents and equipment involved in cleansing work, e.g.: <ul style="list-style-type: none"> ○ acids / bases, ○ detergents, ○ cleansing machines. • Outline compulsory steps in cleansing activities. • Describe the techniques and uses of various cleansing agents based on different circumstances. • Identify appropriate drying techniques for various types of glassware (e.g. general glassware, volumetric glassware) after cleansing. • Describe the importance of cleaned glassware in the accuracy and precision of chemical testing results. <p>2. Perform cleansing on labware by applying defined cleansing methods and procedures</p> <ul style="list-style-type: none"> • Apply appropriate cleansing methods and procedures according to the nature of labware and contamination. • Apply appropriate cleansing agents and equipment on the labware in accordance with appropriate cleansing methods and procedures. • Carry out cleansing activities and drying for the labware according to pre-determined procedures. • Store the cleaned labware under good conditions in designated locations. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure the quality of the cleaned labware suitable for testing purposes.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • carry out cleansing activities and drying for labware by applying appropriate cleansing agents and equipment according to the methods and procedures, • store the cleaned labware properly and maintain the cleanliness of labware in the workplace of the testing laboratory.
Remark	