

Knowledge Assessment

Qualification	National Vocational Certificate level 2 to 5, in Agriculture Sector (Soil, water and fertilizer testing lab technician)
Competency Standard(s)	Process Sample for Analysis
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____ _____
Assessment Outcome	<div style="display: flex; justify-content: space-around; align-items: center;"> COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> </div> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	What are the requirements for Processing Sample Analysis?		
2.	How would you remove physical impurities/undesirable matters?		
3.	What are safety standards of water analysis?		

4.	How would you dry the glass apparatus?		
5.	What is temperature and time for sterilizing glassware?		
6.	For drying, which solvent is used?		
	a) Acetone b) HCl c) Ammonia d) Hexane		

Key

National Vocational Certificate level 2 to 5, in **Agriculture Sector (Soil, Water and Fertilizer Testing Lab Technician)**

Process Sample for Analysis

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	What are the requirements for Processing Sample Analysis?		
	<ol style="list-style-type: none"> 1. Cleanliness of glass wares 2. Sample should be clear 3. Process water sample in desired apparatus 4. Ensure sample labeling for desired process 		
2.	How would you remove physical impurities/undesirable matters?		
	By filtration		
3.	What are safety standards of water analysis?		
	<ol style="list-style-type: none"> 1. House-keeping Lab Safety Rules 2. Dress code safety Rules 3. Chemical Safety Rules 4. Personal hygiene and Sanitation at workplace 		
5.	How would you dry the glass apparatus?		
	In oven		
6.	What is temperature and time for sterilizing glassware?		
	When sterilizing glassware such as bottles, petri dishes and test tubes, dry heat is required and this is carried out in a hot air oven. The ideal temperature of the oven needs to reach is at least 160°C and the contents need to be regulated at this heat for 45 to 60 minutes.		

7.	For drying, which solvent is used?		
	Acetone		