

Knowledge Assessment

Qualification	National Vocational Certificate level 2 to 5, in Agriculture Sector (Soil, water and fertilizer testing lab technician)
Competency Standard	Perform Standard Test Method (STM) to evaluate Gypsum Requirement in soil
Purpose of Assessment	
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Execute Pre-Sampling Operations

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Tick the false statement.		
	<ul style="list-style-type: none"> Micronutrients are required in large quantities. Iron is a micronutrient. Cu is a micronutrient. 		
2.	Name buffer used in test?		
3.	Enlist apparatus required for test?		
4.	Write down gypsum formula?		
5.	Which reagent used in test to perform calculation?		

6.	Ideal room temperature to perform analysis in lab?		

Feedback to the Candidate	
Candidate's Signature _____ Assessor's Signature _____	

Key

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

Perform Standard Test Method (STM) to evaluate Gypsum Requirement in soil

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
7.	I. Tick the false statement.		
	<ul style="list-style-type: none"> • Micronutrients are required in large quantities. • Iron is a micronutrient. • Cu is a micronutrient. 		
8.	Name buffer used in test?		
	<ul style="list-style-type: none"> • Ammonium chloride – ammonium hydroxide solution 		
9.	Enlist apparatus required for test?		
	<p>Weighing balance</p> <p>Volumetric flask, 1000 ml</p> <p>Mechanical shaker</p> <p>Conical flask, 250 ml</p> <p>Plastic bottle, 250 ml</p> <p>Funnel with stand</p> <p>Pipette, 10 ml</p> <p>Burette, 50 ml</p>		
10.	I. Write down gypsum formula?		
	<ul style="list-style-type: none"> • $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ 		
11.	Which reagent used in test to perform calculation?		
	<ul style="list-style-type: none"> • EDTA 		

12.	Ideal room temperature to perform analysis in lab?		
	<ul style="list-style-type: none"> • 25°C 		