

## Knowledge Assessment

<b>Qualification</b>	National Vocational Certificate level 2 to 5, in Agriculture Sector (Soil, water and fertilizer testing lab technician)
<b>Competency Standard(s)</b>	<b>Handling of sophisticated level Equipment</b>
<b>Candidate Details</b>	Name: _____  Registration/Roll Number: _____ Candidate Signature: _____
<b>Assessment Outcome</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <span>COMPETENT <input type="checkbox"/></span> <span>NOT YETCOMPETENT <input type="checkbox"/></span> </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.	Name any 3 Sophisticated lab equipments used for analysis?		
2.	What is reference standard?		
3.	What is working standard?		
4.	Describe the use of Kjeldahl unit?		

5.	Define calibration?		

### Key

<b>Questions</b> (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		<b>Satisfactory</b>	<b>Not Satisfactory</b>
6.	Name any 3 Sophisticated lab equipments used for analysis?		
	<ul style="list-style-type: none"> <li>• Atomic Absorption spectrophotometer</li> <li>• Spectrophotometer</li> <li>• Flame Photo meter</li> <li>• Kjeldahl Unit</li> </ul>		
7.	What is reference standard?		
	A reference standard is standard that obtained from authentic official sources like USP/NF.		
8.	What is working standard?		
	A working standard is standard that is qualified against or used instead of reference standard.		
9.	Describe the use of Kjeldahl unit?		
	It is used for determination of protein, nitrogen and ammonia content.		
10.	Define calibration?		
	Calibration is the comparison of measurement delivered by device with calibration standard of a known accuracy.		