

072306T4LTH

LEATHER TECHNOLOGY LEVEL 6

TEX/OS/LT/CR/04/6

Manage Tannery Waste

July/August 2025



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

PRACTICE ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are provided with sample M and N. Perform the following tasks: -
 - a) Measure the pH value of samples M and N
 - b) Determine the presence of the following chemicals in sample M
 - i. Sulphides
 - ii. Sulphates
 - c). Determine the Total Suspended Solids (TSS) in samples M and N using 200 ml of each sample
 - d). Compare the results recorded in 1a, 1b and 1c above and suggest the stage of leather processing from which samples M and N were collected. Support your answer using observations from the results.

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

- Sample M- 500 ml of lime liquor
- Sample N -500 m of pickle liquor
- Filter papers
- Funnel
- 500ml beaker
- 100 ml beaker
- 250 ml beaker
- Test tube rack
- 50 ml Measuring cylinder
- 10 ml measuring cylinder
- Test tube
- Electric weighing scale
- Labels
- Stirring rod
- Barium chloride solution
- Ferric chloride solution
- Universal indicator paper
- 500 ml wash bottle
- pH chart
- Access to tap water
- Distilled water
- Blotting paper/tissue paper
- Lab Coat
- Safety boots