

072306T4LTH

LEATHER TECHNOLOGY LEVEL 6

TEX/OS/LT/CR/04/6/A

Manage Tannery Waste

March/April 2025



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

PRACTICAL ASSESSMENT

INSTRUCTIONS TO ASSESSOR

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

OBSERVATION CHECKLIST

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
OCCUPATIONAL HEALTH AND SAFETY			
1. Safety precautions • Wore the PPES • Identified the tools and e • Properly handled tools • Organized work area <i>(award 2 marks or zero</i>	2 2 2 2		
TASK 1: DETERMINE THE TOTAL DISSOLVED SOLIDS (TDS) FROM THE PROVIDED 500ML DE-LIMED LIQUOR.			
2. Filter the liquor • Measured 500ml of the liquor • Filtered and collected the filtrate • Weighed and recorded the filtrate in grams. <i>(award 3 marks or zero)</i>	3 3 3		
3. Carry out evaporation • Weighed and recorded the weight of the crucible/evaporating dish.	3 3		

- Transferred the filtrate into the crucible/evaporating dish - Heat the crucible/evaporating dish until crystals formed - Weighed the and recorded the final weight of the crucible/evaporating dish (award 3 marks or zero)	3 3		
4. Calculated the total dissolved solid in mg/L. <u>Formulae:</u> - <i>Total dissolved solids calculation.</i> weight of solids(g) TDS weight of the crucible/evaporating di Initial weight of the crucible/evaporating dish (award 5 marks or zero)	5		
SUB TOTAL 1:	34		
TASK 2: DETERMINE AMOUNT OF SULPHATES FROM THE PROVIDED 500ML DE-LIMED LIQUOR			
5. Filter the liquor - Measured 500ml of the liquor - Filtered and collected the filtrate - Weighed and recorded the filtrate in grams. (award 2 marks or zero)	2 2 2		
6. Carry out precipitation Transferred the filtrate into the beaker	3		

- Added few drops of barium chloride until a precipitate was formed. - Filter the precipitate - Allowed the precipitate to dry on the filter paper - Weighed and recorded the weight of the residue (award 3 marks or zero)	3 3 3 3		
SUB TOTAL 2:	21		
GRAND TOTAL	55		
ASSESSMENT OUTCOME			
The candidate was found to be: Competen Not yet Competent (Please tick as appropriate) (The candidate is competent if the candidate obtains at least 50%)			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	

THIS IS THE LAST PRINTED PAGE