

072305T4

LEATHER PROCCESsing LEVEL 5

TEX/OS/LT/CR/05/5

Manage Tannery Waste

July/August 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 equipment - Properly handled resources - Organized work area <i>(award 2 marks or zero)</i>	2 2 2 2		
TASK 1: RECOVER CHROMIUM SALTS FROM THE PROVIDED 500ML CHROME LIQUOR.			
2. precipitated chromium salts from chrome liquor - Identified agents used - Weighed 1000ml of chrome liquor - Checked the PH of the liquor (3.8-3.9) - Added 12% calcium hydroxide/sodium hydrogen carbonate - Stirred the mixture - Added 10% manganese oxide - Stirred the mixture and allowed the concentration to settle for 30 minutes	3 3 3 3 3 3 3		

• Checked the PH of the solution at an interval of 5 minutes for 30 minutes • Obtained a precipitation of a PH of 8.5 -8.9 <i>(Award 3 marks or zero for each step)</i>	3		
3. Separated the solids • Decanted the solution • Obtained the clear liquor and the chromium sludge • Spread the sludge on shallow containers and allowed the sludge to dry for 20 minutes <i>(award 2 marks or zero for each step)</i>	2		
	2		
	2		
SUB TOTAL 1:	41		
TASK 2: DETERMINE AMOUNT OF CHROME LIQUOR. UM SALTS FROM THE PROVIDED			
Determined the amount of chromium salts • Weighed the recovered chromium salts • Stored recovered chromium salt for re-use • Documented the process sheet	2		
	2		
	2		
Performed housekeeping operations • Cleaned the tools and equipments used • Cleaned the working area • Stored tools, equipment's and material	1		
	1		

<i>(award 1 mark or zero for each operation)</i>	1		
SUB TOTAL 2:	9		
GRAND TOTAL	50		
ASSESSMENT OUTCOME			
The candidate was found to be: Competent ☐ Not yet Competent ☐ <i>(Please tick as appropriate)</i> <i>(The candidate is competent if the candidate obtains at least 50%)</i>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	

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