

072305T4LPT

LEATHER PROCESSING (TANNING) LEVEL 5

TEX/OS/LT/CR/01/5/A

Carry out Pre-Tanning and Tanning Processes

March/April 2025



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

PRACTICE

MENT

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
TASK: PRODUCE A VEGETABLE TANNED LEATHER.			
1. Worn the PPE's - Dust Coat - Gumboots - Mask - Industrial gloves 2. Practiced housekeeping practice - Identified the tools and e - Properly handled tools - Organized work area <i>(Award 2 marks or 0 for each correctly done task)</i>	1 1 1 1 1 1 2		
SUB TOTAL	8		
TASK 1: CARRY OUT DELIMING			
1. Weighed the pelt 2. Washed the pelt 3. Weighed 1-2% ammonium sulphate according to pelt weight 4. Added the solution in 150% water according to pelt weight 5. Agitated for 30 minutes	2 2 2 2 2		

6. Tested for completion - Cut cross section - Poured 3 drops phenolphthalein - Determined completion by indicated clear color and PH of 8-8.5	2		
7. Drain the float	2		
<i>(Award 2 marks or 0 for each correctly done task)</i>			
SUB TOTAL	18		
TASK 2: CARRY OUT BATING			
1. Warmed the water up to 38°C	2		
2. Added 0.3-0.5% bate to the warmed water and mixed the bate with the float.	2		
3. Added the pelt to the mixture of float	2		
4. Agitated the solution for 30 min	2		
5. Checked for the completion of b - Thumb test method - Air permeability test method	2		
6. Removed the scud from the pelt.	2		
7. Drain the float	2		
SUB-TOTAL	16		
TASK 3: CARRY OUT LIGHT PICKLE			
1. Weighed the pelt	2		
2. Added 0.25% formic acid to the float according to the weight of the pelt	2		
3. Agitated the for 1 hour.	2		
4. Added 1 % sodium bicarbonate according to the weight of the pelt.	2		

<i>(Award 2 marks or 0 for each correctly done task)</i>			
SUB TOTAL	8		
TASK 4: CARRY OUT VEGETABLE TANNING			
1. Reduced bath liquor to half	2		
2. Weighed 10 % of mimosa powder according to pelt weight	2		
3. Divided the mimosa into two portions			
4. Poured first portion of the mimosa into liquor as material.	2		
	2		
5. Agitated for 30 minutes			
6. Added the second portion of mimosa into the liquor as the material	2		
	2		
7. Checked penetration by:			
• Cut the cross-section on area	2		
• Evaluated the depth of penetration of mimosa.	2		
<i>(Award 2 marks or 0 for each correctly done task)</i>			
SUB TOTAL	16		
TASK 5: CARRY OUT FIXATION			
1. Weighed 0.5% formic acid according to the weight of the pelt.	2		
2. Added the formic acid to the ongoing vegetable tanning solution.	2		
3. Agitated the float for 45 minutes.	2		
SUB-TOTAL	6		
PRODUCT CHECK LIST			

1. Uniform beige color	2		
2. No stains on the leather surface <i>(Award 2 marks or 0 for each correctly done task)</i>	2		
SUB TOTAL	4		
GRAND TOTAL	76		
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	
_____		_____	