

BEE VENOM PROCESSING

UNIT CODE: 0811 341 06A

TVET CDACC UNIT CODE: AGR/CU/APIPR/CR/06/4/MA

Relationship to Occupational Standards

This unit addresses the unit of competency: process bee venom

Duration of Unit: 30 hours

Unit Description

This unit specifies the competencies required to process bee venom. It involves preparing materials for processing bee venom, preparing processing equipment, processing bee venom and performing post processing procedures.

Summary of learning outcomes

By the end of this unit of learning, the trainee should be able to:

S/No	Learning Outcomes	Duration (Hours)
1.	Prepare materials for processing bee venom	10
2.	Prepare processing equipment	5
3.	Process bee venom	5
4.	Perform post processing procedures	10
Total		30

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Prepare materials for processing bee	1.1 Meaning of the term bee venom 1.2 Properties of bee venom	<ul style="list-style-type: none">• Written test.• Observation

Learning Outcome	Content	Suggested Assessment Methods
venom	1.3 Composition of bee venom 1.4 Uses of bee venom 1.5 Uses of anti-venom 1.6 Types of anti-venom 1.7 Identification of processing materials for processing bee venom 1.8 Assembling processing materials for processing bee venom 1.9 Sorting processing materials for processing bee venom	<ul style="list-style-type: none"> • Third party report • Oral questioning • Interviews
2. Prepare processing equipment	2.1 Selection of the method of processing 2.2 Identification of processing equipment 2.3 Assembling of processing equipment 2.4 Setting up the processing equipment 2.5 Safety and health measures in processing of bee venom 2.6 Risk involved in venom processing	<ul style="list-style-type: none"> • Written test • Observation • Third party report • Oral questioning • Interviews
3. Process bee venom	3.1 Safety precautions in bee venom processing 3.2 The procedure for processing bee venom 3.3 Storage conditions for bee venom 3.4 Storage tools and equipment for bee venom 3.5 Storage materials for bee venom 3.6 Procedure for storing processed bee venom	<ul style="list-style-type: none"> • Written test • Observation • Third party report • Oral questioning • Interviews
4. Perform post processing procedures	4.1 Packaging and labelling material, equipment for bee venom 4.2 Procedure for packaging and labelling processed bee venom 4.3 Management and disposal of waste	<ul style="list-style-type: none"> • Written test • Observation • Third party report • Oral questioning • Interviews

Suggested Methods of Instruction

- Projects
- Demonstration by trainer

- Practice by the trainee
- Discussions
- Direct instruction

Recommended Resources

- Packaging materials
- Source of DC electric current (6MV)
- Venom collector
- Processing equipment
- Strong colony
- PPE
- Storage vials
- Storage equipment
- Cold storage