



Australian Government

Department of Education, Employment and Workplace Relations

HLTAYV603D Prepare and dispense ayurvedic herbal medicine - dravyaguna

Release: 1

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Modification History

HLT07 Version 4	HLT07 Version5	Comments
HLTAYV603C Prepare and dispense ayurvedic herbal medicine - dravyaguna	HLTAYV603D - Prepare and dispense ayurvedic herbal medicine - dravyaguna	Unit updated in V5. ISC upgrade changes to remove references to old OHS legislation and replace with references to new WHS legislation. No change to competency outcome.

Unit Descriptor

Descriptor

This unit of competency describes the skills and knowledge required to prepare and dispense ayurvedic herbal medicines according to a script prepared by an ayurvedic practitioner

Application of the Unit

Application

This unit may be applied in a range of health settings

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Not Applicable

Employability Skills Information

Employability Skills

This unit contains Employability Skills

Elements and Performance Criteria Pre-Content

Elements define the essential outcomes of a unit of competency.

The Performance Criteria specify the level of performance required to demonstrate achievement of the Element. Terms in italics are elaborated in the Range Statement.

Elements and Performance Criteria

ELEMENT

PERFORMANCE CRITERIA

1. Recognise basic ayurvedic herbs

- 1.1 Identify *basic ayurvedic herbs* are in their natural habitat
- 1.2 Identify basic herbs in their dried form

2. Prepare the medicine

- 2.1 Identify and prepare *pharmaceutical ingredients and equipment*
- 2.2 Prepare herbal medicine according to *ayurvedic guidelines and methodology*
- 2.3 Prepare herbal medicine according to clinic guidelines
- 2.4 Take *care to prevent contamination* of or by the herbal medicine
- 2.5 Label and store herbal medicine correctly

ELEMENT**PERFORMANCE CRITERIA****3. Dispense the medicine**

- 3.1 Identify and prepare *dispensing ingredients and equipment*
- 3.2 Dispense required herbal medicine in the form and quantity stipulated by the prescription/order
- 3.3 Take care to prevent contamination of or by the herbal medicine
- 3.4 Label herbal medicine correctly
- 3.5 Provide the client with *instructions for taking the herbal medicine*
- 3.6 Dispense the herbal medicine according to *clinic guidelines*

4. Control stock

- 4.1 Obtain required materials from *acceptable sources*
- 4.2 Keep pharmacy well stocked according to clinic guidelines
- 4.3 Identify *factors which have an effect on storage*
- 4.4 Store materials according to clinic guidelines
- 4.5 Maintain an alcohol register according to State regulations

5. Complete documentation

- 5.1 Record *workplace information* in the appropriate format
- 5.2 *Label materials correctly*

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level required for this unit.

Essential knowledge:

The candidate must be able to demonstrate essential knowledge required to effectively do the task outlined in elements and performance criteria of this unit, manage the task and manage contingencies in the context of the identified work role

This includes knowledge of:

- Ayurvedic herbal medicine dispensing principles and methods
- Ayurvedic herbal medicine pharmacy
- Ayurvedic herbal medicine preparation from source materials
- Chemical and physical incompatibilities
- Common causes of variation and corrective action required
- Dispensing procedures
- Equipment and instrumentation components, purpose and operation
- External therapy products, both medicinal and domestic, baths, bath oils, creams, dyes, fomentations, incenses, aromatherapy products, compresses, ointments, perfumes, pomanders, potpourri, poultices, sachets, salves, ubtans, lepas, upanah
- Factors that affect ayurvedic herbal medicines in preparation and storage
- How the dispensing process affects the end product
- Methods of administration for herbal medicines
- WHS hazards and controls
- Preparations for ingestion: culinary plants, common herbal teas, medicinal preparations: biochemic and bioenergetic remedies, cold extracts, cordials, decoctions, essences, herbal, honeys, infusions, methaglyns, nutritional supplements, powders, succus, syrups, tinctures, taila, ghritam, avaleha, asava, arishta, savarasas, arka, kalka, ksheerapak
- Prescription of medicines: legal restrictions, Therapeutic Goods Administration, health and safety, labelling requirements, restricted substances, principles of manufacturing, quality control procedures
- Process specifications, procedures and operating parameters
- Quality characteristics to be achieved
- Recording requirements and procedures
- Significance and methods of monitoring control points within the dispensing process
- The non-medicinal ingredients used in the preparation of ayurvedic herbal medicines

REQUIRED SKILLS AND KNOWLEDGE

- The preparation of anupanas
- The preparation of dispensing menstruum
- Waste handling requirements and procedures

Essential skills:

It is critical that the candidate demonstrate the ability to effectively do the task outlined in elements and performance criteria of this unit, manage the task and manage contingencies in the context of the identified work role

This includes the ability to:

- Access workplace information to identify requirements for the dispensing process
- Apply knowledge of hygiene standards
- Confirm equipment status and condition
- Confirm supply of necessary materials and services to the dispensing process
- Correctly identify equipment and ingredients for ayurvedic herbal medicine preparation and dispensing
- Describe ayurvedic botanical keys
- Describe ayurvedic plant anatomy and identification
- Describe ayurvedic plant classifications and nomenclature
- Dispense ayurvedic herbal medicines in accordance with the order/prescription
- Identify ayurvedic herbal ingredients in raw and dried forms
- Maintain work area to meet housekeeping standards
- Measure and segregate materials
- Monitor the dispensing process and equipment operation to identify out-of-specification results or non-compliance. This may include:
 - labelling
 - stock flow/quantity
 - measuring devices
 - materials faults
 - equipment faults
 - service faults
 - clean and sanitise equipment
 - carry out routine maintenance
- Pack and label dispensed materials
- Prepare ayurvedic herbal medicines for clients in pharmaceutical forms (capsules, emulsions, creams, ointments, suppositories, powders etc)
- Prepare ayurvedic herbal medicines in a range of dosages
- Prepare ayurvedic herbal medicines in accordance with official practice, clinic guidelines and relevant legislation
- Record workplace information

REQUIRED SKILLS AND KNOWLEDGE

- Sort, collect, treat, recycle or dispose of waste, taking into account opportunities to address waste minimisation, environmental responsibility and sustainable practice issues
- Take corrective action in response to out-of-specification results or non-compliance

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for this Training Package.

Critical aspects for assessment and evidence required to demonstrate this competency unit:

- The individual being assessed must provide evidence of specified essential knowledge as well as skills
- Observation of performance in the workplace or a simulated workplace (defined as a supervised clinic) is essential for assessment of this unit
- Consistency of performance should be demonstrated over a range of workplace situations
- Assessment may contain both theoretical and practical components and examples covering a range of clinical situations
- Evidence is required of both knowledge and skills application
- Assessment of sole practitioners must include a range of clinical situations and different client groups covering at minimum, age, culture and gender
- Assessment of sole practitioners must consider their unique workplace context, including:
 - interaction with others in the broader professional community as part of the sole practitioner's workplace
 - scope of practice as detailed in the qualification and component competency units
 - holistic/integrated assessment including:
 - working within the practice framework

EVIDENCE GUIDE

- performing a health assessment
- assessing the client
- planning treatment
- providing treatment

- Access and equity considerations:*
- All workers in the health industry should be aware of access and equity issues in relation to their own area of work
 - All workers should develop their ability to work in a culturally diverse environment
 - In recognition of particular health issues facing Aboriginal and Torres Strait Islander communities, workers should be aware of cultural, historical and current issues impacting on health of Aboriginal and Torres Strait Islander people
 - Assessors and trainers must take into account relevant access and equity issues, in particular relating to factors impacting on health of Aboriginal and/or Torres Strait Islander clients and communities

- Context of and specific resources for assessment:*
- Assessment should replicate workplace conditions as far as possible
 - Simulations may be used to represent workplace conditions as closely as possible
 - Where, for reasons of safety, access to equipment and resources and space, assessment takes place away from the workplace, simulations should be used to represent workplace conditions as closely as possible
 - Resources essential for assessment include:
 - an appropriately stocked and equipped clinic or simulated clinic environment
 - dispensing resources
 - relevant texts or medical manuals
 - relevant paper based/video assessment instruments
 - appropriate assessment environment
 - skilled assessors

EVIDENCE GUIDE

Method of assessment

- Case study and scenario as a basis for discussion of issues and strategies to contribute to best practice.
- Explanations of technique
- Observation in the work place (if possible)
- Questioning and discussion
- Role play simulation
- Written assignments/projects

Related units:

This unit should be assessed in conjunction with the following related unit:

- HLTIN301C Comply with infection control policies and procedures

Range Statement

RANGE STATEMENT

The Range Statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

RANGE STATEMENT

Basic ayurvedic herbs may include but are not limited to:

- Apium graveolens
- Emblica officinalis
- Angelica SPP
- Ferula asafetida
- Withania somnifera
- Abutilon indicum
- Sida cordifolia
- Eclipta alba
- Terminalia belerica
- Chrysanthemum indicum
- Ephedra vulgaris
- Polygonum multiflorum
- Panax ginseng
- Tribulis terrestris
- Hydrocotyle asiatica
- Commiphora mukul
- Terminalia chebula
- Jasminum grandiflorum
- Nelumbo mucifera
- Sida rhombifolia
- Rubia cordifolia
- Cyperus rotundus
- Azadiracta indica
- Piper longum
- Boerhaavia diffusa
- Rehmannia glutinosa
- Asparagus racemosus
- Bambusa arundinaceae
- Ipomoea digitata
- Dioscorea SPP
- Amygdalus communis
- Aloe SPP
- Angelica archangelica
- Pipper nigrum
- Borago officinalis
- Acorus calamus
- Cinnamomum camphora

RANGE STATEMENT

Basic ayurvedic herbs may include but are not limited to Continued:

- Elettaria cardamomum
- Rhamnus purshianusricinus communis
- Cinnamomum zeylanicum
- Eugenia caryphyllata
- Cocus nucifera
- Coriandrum sattivum
- Cuminum cyminum
- Taraxacum officinalis
- Echinacea augustifolia
- Eucalyptus globulis
- Foeniculum vulgare
- Trigonella foenumgraeceum
- Gentiana SPP
- Zingiber officinalecymbopogon citrates
- Glycyrrhiza glabra
- Myristica fragrans
- Brassica alba
- Alliun cepa
- Citrus aurantum
- Mentha piperita
- Plantago major
- Punica granatum
- Papaver SPP
- Plantago psyllium
- Rosa SPP
- Santalum album
- Cassia acutifolia
- Sesamum indicum
- Illicium verum
- Tamarindus indica
- Curcuma longa
- Bacopa moniera
- Bitter melon
- Gymnema sylvestra
- Arjuna
- Chitrak
- Kaesari
- Nagarkesar
- Kapi kacchu
- Jyotish madi

RANGE STATEMENT

- Guduchi

Pharmaceutical ingredients and equipment may include but is not limited to:

- Various raw or prepared herbs
- Different menstruum/anupana which may include:
 - water
 - wine
 - alcohol
 - ether
 - glycerol
 - oil
 - milk
 - ghee
- Measuring instruments
- Percolator, press and blender
- Containers
- Scoops
- Labeller
- Labels
- Protective clothing

ayurvedic guidelines and methodology refers to:

- Health and safety, labelling requirements
- Legal restrictions
- Principles of manufacturing medicines
- Scheduled herbs
- Testing of herbal medicines
- Therapeutic goods administration
- Tridoshas theory

RANGE STATEMENT

Dispensing ingredients and equipment may include but is not limited to:

- Containers
- Different menstruum/anupanas which may include:
 - water
 - wine
 - alcohol
 - ether
 - glycerol
 - oil
- Labeller
- Labels
- Measuring instruments
- Protective clothing
- Scoops
- Various raw or prepared herbs

RANGE STATEMENT

The form of the medicine may include but is not limited to:

- Arishtas
- Asavas
- Avaleha
- Bhasmas
- Capsules
- Churnas
- Creams
- Emulsions
- Extracts
- Ghritas
- Gutis
- Kalpas
- Kshara
- Matras
- Ointments
- Parpati
- Powders
- Suppositories
- Swarasa
- Tailas
- Tinctures
- Vatis
- Whole herbs

Care is taken to prevent contamination means:

- Medicines are made and prepared over an impervious surface
- Medicines which come into contact with contaminants are discarded
- Objects that come in to contact with the medicine are cleaned and discarded
- The work space is well ventilated

Clinic guidelines may include:

- Dispensing procedure
- Hygiene and waste guidelines
- WHS guidelines
- Quality system guidelines
- Stock and storage procedures

RANGE STATEMENT

Instructions for taking the herbal medicine refer to:

- Factors which may interfere with the herbal medicine, e.g. Consumption of food, concurrent use of allopathic medications
- Frequency of administration
- Mode of administration, e.g. external or internal
- The need to report incidences to the prescribing herbal medicine practitioner

Acceptable sources includes:

- Collected and prepared from natural sources after ascertaining that the plant material is uncontaminated by pesticides or other contaminants
- Herbal medicine suppliers listed in the Therapeutic Goods Administration
- Overseas suppliers or

Labelled correctly means:

- According to legislative guidelines
- According to clinic requirements

Factors which may have an effect on the storage include:

- Heat above 50°C
- Prolonged exposure to sunlight

Workplace information may include:

- Details of person(s) conducting preparation and dispensing
- Details of preparation and dispensing undertaken
- Dispensing information for prescriptions
- Stock documentation

Unit Sector(s)

Not Applicable