



Australian Government

Department of Education, Employment and Workplace Relations

SIBBOS504A Apply aromatic plant oil chemistry to beauty treatments

Revision Number: 2

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Modification History

Not applicable.

Unit Descriptor

This unit describes the performance outcomes, skills and knowledge required to identify and apply aromatic plant oil chemistry to the blending of preparations for use in beauty treatments.

In order to select and blend aromatic plant oils for aromatic face and body treatments the therapist is required to develop a thorough knowledge of their characteristics. This unit describes the process of identifying the properties, origins and therapeutic profiles of a limited range of aromatic plant oils and carrier oils that may be selected and blended.

Application of the Unit

This unit applies to beauty therapists in facial, body, hand or foot massage treatments, exercising judgement in planning and selecting appropriate products, services, equipment and techniques.

Licensing/Regulatory Information

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of endorsement.

Pre-Requisites

Nil

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements and Performance Criteria

Element

Elements describe the essential outcomes of a unit of competency.

- 1 Identify the properties of a range of aromatic oils.
- 2 Apply organic chemistry to aromatic oil properties.
- 3 Evaluate properties of carrier oils.
- 4 Apply chemical information to beauty treatments.

Performance Criteria

Performance criteria describe the achievement of the element. Where information is detailed in the range statement. Assessment of evidence guide.

- 1.1 Identify *general properties*
- 1.2 Identify *plant information*
- 1.3 Prepare *profiles* of a range of
- 1.4 Identify type and structure of oils.
- 2.1 Identify and evaluate *carbons* aromatic plant oils.
- 2.2 Identify and apply *chemicals*
- 2.3 Identify *processes that affect* oils.
- 2.4 Determine *solubility* of aromatic
- 2.5 Determine *emulsifiers and*
- 3.1 Identify differences between
- 3.2 Identify commonly used carrier
- 3.3 Evaluate *quality* of carrier oils
- 3.4 Identify and evaluate carrier aromatic plant oil blend.
- 3.5 Identify and evaluate *other* carrier oils.
- 4.1 Identify *uses of aromatic plant*
- 4.2 Determine ratios of *ingredients* for use in beauty treatments
- 4.3 Apply *relevant legislation and procedures* to ensure safe storage
- 4.4 Identify and apply *storage and* legislation and workplace procedures

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills

The following skills must be assessed as part of this unit:

- technical skills to:
 - apply botanical knowledge of selected aromatic plant oils to a range of beauty treatments
 - apply chemical knowledge of selected aromatic plant oils to a range of beauty treatments
 - apply knowledge of carrier oils and additives to design the blended oils for use in a range of beauty treatments
- literacy skills to read and apply manufacturers' product information, including plant oil origin, chemical analysis and safety data sheets.

Required knowledge

The following knowledge must be assessed as part of this unit:

- common name, botanical name, and plant family and characteristics for each aromatic plant oil listed in range statement
- chemical composition of selected aromatic plant oils
- processes affecting chemistry of aromatic plant oils
- commonly used carrier oils and their characteristics
- effects and benefits of a defined range of aromatic plant oils, carrier oils and additives
- adverse and beneficial interactions of aromatic plant oils
- anatomy and physiology of the skin and skin structures as they relate to percutaneous absorption of aromatic plant oils, carrier oils and additives
- skin sensitivity and allergies to aromatic plant oils
- uses of aromatic plant oils in beauty treatments.

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

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

Evidence of the following is essential:

- applying common names, botanical names and plant family of twelve selected aromatic plant oils
- applying properties and profiles of minimum of twelve aromatic plant oils
- applying organic chemistry in selecting and preparing aromatic plant oils for use in range of beauty treatments
- applying knowledge of properties of carrier oils and additives
- applying knowledge of appropriate ratios of aromatic plant oils to carrier oils, additives and other mediums for use in a range of beauty treatments
- applying safe work practices when storing and handling ingredients
- accurately and legibly recording relevant data.

Context of and specific resources for assessment

Assessment must ensure:

- that competency is consistently demonstrated over a period of time and observed by the assessor or the technical expert working in partnership with the assessor as described in the Assessment Guidelines
- that competency is demonstrated in the workplace or a simulated workplace environment in a range of real work situations which may include client interruptions and involvement in other related activities normally expected in the workplace.

Assessment must ensure access to:

- an environment, which includes as a minimum:
 - aromatic plant oils preparation and storage area
 - range of aromatic plant oils, carrier oils and additives
- text and online information relating to application of aromatic plant oils in beauty treatments
- product information and safety data on range of aromatic plant oils, carrier oils and additives
- a range of clients with different aromatherapy treatment requirements.

For further guidance on the use of an appropriate simulated environment, refer to the Assessment Guidelines in this

Training Package.

Methods of assessment

A range of assessment methods should be used to assess practical skills and knowledge. The following examples are appropriate for this unit:

- observation of learner performing a range of tasks in the workplace or a simulated work environment, over sufficient time to demonstrate handling of a range of contingencies, including:
 - evaluating carbon backbone and functional groups of selected aromatic oils
 - identifying proportions of carrier oils and additives for aromatic plant oil blends for use in beauty treatments
 - consistent application of workplace policies and procedures and safe work practices when storing and handling ingredients
- case studies, written and oral questioning or interview to test knowledge of such things as:
 - common names, botanical names and plant family of twelve selected aromatic plant oils
 - properties and profiles of a minimum of twelve aromatic plant oils
 - application of organic chemistry in selection and preparation of aromatic plant oils for use in a range of beauty treatments
 - properties of carrier oils and additives
 - appropriate ratios of aromatic plant oils to carrier oils, additives and other mediums for use in a range of beauty treatments
 - uses of aromatic plant oils
- completion of workplace documentation relevant to applying aromatic plant oil chemistry to beauty treatments
- third-party reports from technical experts
- completion of self-paced learning materials, including personal reflection and feedback from a trainer, workplace coach or supervisor.

Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended, for example:

- SIBBBOS505A Blend and apply a range of aromatic plant oils for beauty treatments
- SIBBCCS407A Interpret the chemical composition and

physical actions of cosmetic products.

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. Bold italicised wording, if used in the performance criteria, is detailed below. 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) may also be included.

General properties may include:

- odour
- volatility
- flammability
- concentration
- viscosity
- lipophilicity
- hydrophilicity.

Plant information must include:

- common name
- synonym
- botanical name
- plant family.

Aromatic plant oils may include:

- basil
- bergamot
- cajeput
- chamomile
- cypress
- eucalyptus
- geranium
- grapefruit
- juniper
- lavandin
- lavender
- lemon
- mandarin
- niaouli
- orange
- rosemary
- sandalwood
- tea tree.

Profiles must include:

- existing chemotypes
- extraction method
- colour and odour characteristics.

Different bonds may include:

- single
- double

- triple.

Carbon backbone must include:

- elements
- bonds.

Functional groups may include:

- alcohols
- phenols
- aldehydes
- ketones
- organic acids
- esters
- ethers
- lactones
- amines/imines
- sulphides
- furocoumarins.

Chemical terminology must include:

- isoprene unit
- aliphatic molecule
- terpene and terpenoid compound
- monoterpene and sesquiterpene
- monoterpenol and sesquiterpenol.

Processes that affect the chemistry may include:

- oxidation
- temperature variations
- exposure to light.

Solubility may include:

- water soluble
- oil soluble.

Emulsifiers and dispersants may include:

- lecithin oil
- alcohols
- creams.

Carrier oils may include:

- almond
- apricot
- grape seed
- peach
- macadamia
- sesame seed
- soya bean
- safflower
- sunflower.

Characteristics may include:

- chemical components
- smell
- taste
- colour
- viscosity.

- Quality*** may include:
- grading process
 - storage
 - handling
 - shelf life.
- Additives*** may include:
- arnica
 - avocado
 - borage
 - calendula
 - carrot (infused)
 - evening primrose
 - jojoba
 - hazelnut
 - hypericum
 - linseed
 - olive oil
 - pumpkin seed
 - rose hip
 - wheatgerm.
- Other mediums*** may include:
- alcohol
 - clay
 - creams
 - dispersants
 - gels
 - macerations
 - tinctures
 - hydrosols
 - water.
- Uses of aromatic plant oil*** may include:
- relaxation
 - stress reduction
 - skin care
 - alleviation of headaches and migraines.
- Ingredients*** may include:
- aromatic plant oils
 - carrier oils
 - additives
 - other mediums.
- Beauty treatments*** may include:
- facial treatments
 - body treatments
 - hand and foot treatments
 - spa treatments.
- Relevant legislation and codes*** may include:
- Therapeutic Goods Act
 - occupational health and safety

Workplace policies and procedures may include:

- industry codes of practice.
- health and hygiene
- environmental controls
- storage of products
- care and use of equipment.

Storage and handling may include:

- temperature control
- light exposure
- ventilation.

Storage and labelling requirements may include:

- listing ingredients
- listing contraindications
- decanting oils.

Unit Sector(s)

Beauty

Competency Field

Body Services