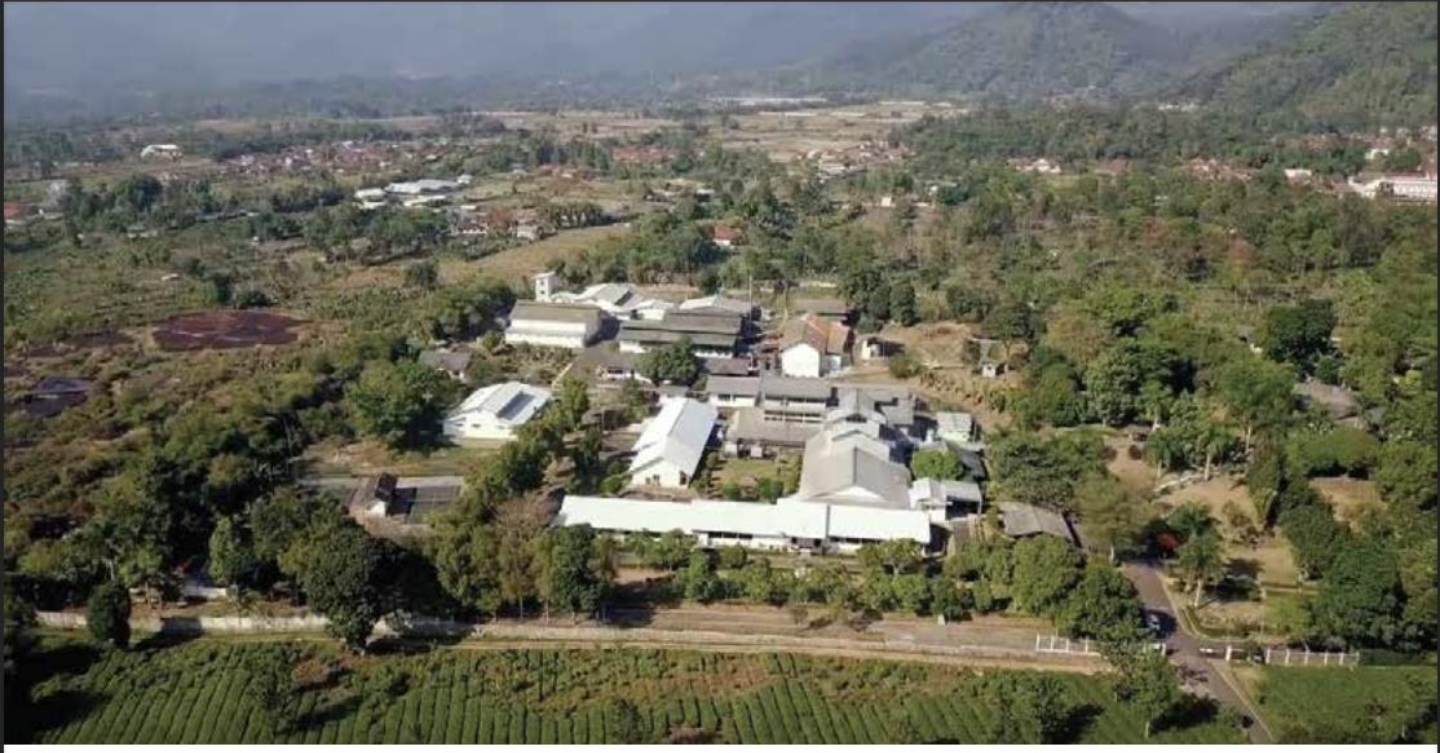
ESSENTIAL OIL

CATALOGUE

Sinkona
Indonesia Lestari

TABLE OF CONTENT



COMPANY PROFILE
PT SINKONA INDONESIA LESTARI

PT Sinkona Indonesia Lestari (PT SIL) is a Quinine (and its derivates) and Essential Oils producing company, jointly owned by two Indonesia's State Owned Corporations PT Kimia Farma Tbk. And PT Perkebunan Nusantara I.

Established in 25 October 1986 with notary certificate Irene Ratnaningsih, SH. No. 33 updated in 5th of March 1998, No. 9 dan No. 86 dated 29th of August 1999, and already approved also legalized in Decree of Ministry of Justice of Republic of Indonesia No: C-8286 HT.01.04.TH.99 dated 9th of March 1999 and appears in the Republic charter No. 87 dated 30th of October 1987 and No. 65 dated 13th of August 1999.

Established by Republic of Indonesia's Minister of Health in 31st of Agustus 1991. PT. Sinkona Indonesia Lestari factory is located in area tea plantation area owned by PT Perkebunan Nusantara I.

Corporate Visions

Becoming a leading Global Natural Healthcare Company.

Corporate Missions

- Increase the reliability of Human Resources Capability for optimization and company growth acceleration.
- Building collaborative culture and innovation within the organization.
- Creating a business ecosystem that provides benefit and sustainability.

Company Awards

BUMN Branding & Marketing 2021

TJSL & CSR 2021

Anugrah BUMN 2021
Kategori Pengembangan Talent Unggal

OUR PRODUCTS
CERTIFICATIONS

Certificate of FSSC V6

Certificate of
ISO 9001 - 2015

Certificate of
ISO 14001 - 2015

Certificate of HALAL

Certificate of KOSHER

WHAT IS
ESSENTIAL OIL

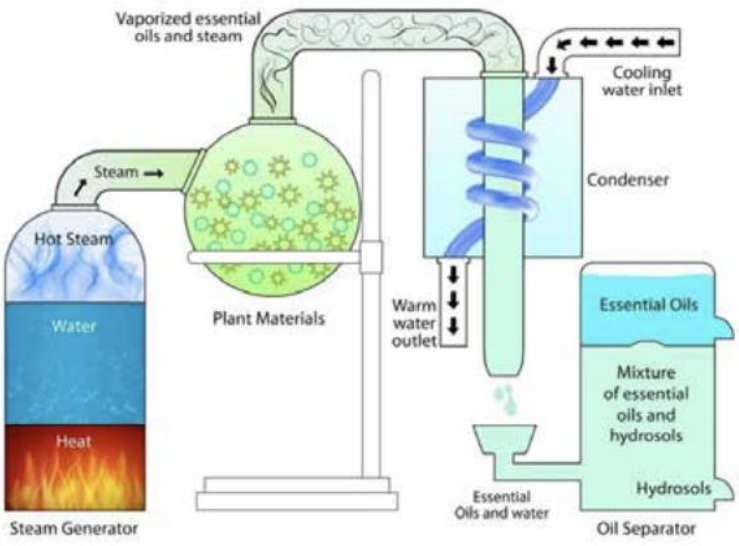
Essential oils are aromatic and volatile liquids obtained from plant material, including flowers, roots, bark, leaves, seeds, peel, fruits, wood, and whole plants (Hyldgaard et al., 2012). Throughout history, these oils have been regarded with great interest, although many of their uses have been lost with time, it is generally accepted that human beings have been extracting them from aromatic plants since the dawn of humanity. The applications of essential oils for different purposes are varied and include not only their use in cooking to enhance the taste and health benefits of food, but also their application in the manufacture of perfumes and cosmetics.

Origins of Aromatherapy

For thousands of years ancient cultures including the Greeks, Egyptians and Chinese have known of the beneficial properties of certain aromatic plants. Precious plants were burned in rituals, or used in preparations for healing and beauty. The experiments of French chemist René Gattefossé in the 1920's led to the development of Aromatherapy as the modern art and science of using natural aromatic essences. These essential oils are extracted from selected plants to balance, harmonise and promote the health of body, mind and spirit.

Obtaining Essential Oils

Steam Distillation



Essential oils can be obtained using several distillation techniques, such as water distillation, steam distillation, or a combination of both. In fact, these are the most traditional and commonly used methods. In general, essential oils are obtained through steam distillation or water distillation from different parts of the plant, including the whole plant or just the wood, bark, roots, leaves, flowers, fruits, or seeds.

The most common form of extracting essential oils is via steam distillation. This ancient process involves placing plant matter in a large vat where steam or hot water is passed through. The oils in the plants' cells evaporate and are then condensed and separated from the water.

USE OF
ESSENTIAL OIL

AROMATHERAPY

The essential oils have gained importance in therapeutic, cosmetic, aromatic, fragrant and spiritual applications. Aromatherapy uses essential oils, as the main therapeutic agents, which are said to be highly concentrated substances extracted from flowers, leaves, stalks, fruits and roots, and also distilled from resins.

For centuries, the essential oils have found their importance as a fragrance with a curative potential on the body, mind and spirit. These aroma molecules are very potent organic plant chemicals that make the surroundings free from disease, bacteria, virus and fungus. Their versatile character of antibacterial, antiviral, anti-inflammatory nature along with immune booster body with hormonal, glandular, emotional, circulatory, calming effect, memory and alertness enhancer, is well documented by many scientists.

How it works around the home

Aromatic use is done by inhaling essential oils directly or by placing it in an essential oil diffuser. A diffuser takes an essential oil and transforms it into a fine, microscopic mist of oil droplets, and then dispersing the droplets (and scent) throught the air. This allows you to experience the aroma for an extended time period.

Diffusion through the air using an ultrasonic diffuser or oil burner is one of the most effective ways to scent the home or workplace. Simply fill the top of the burner or the chamber of the diffuser with water and then sprinkle 3-5 drops of essential oil on the top.

But the amount of essential oil used and duration of diffusion will depend on the size of the room.

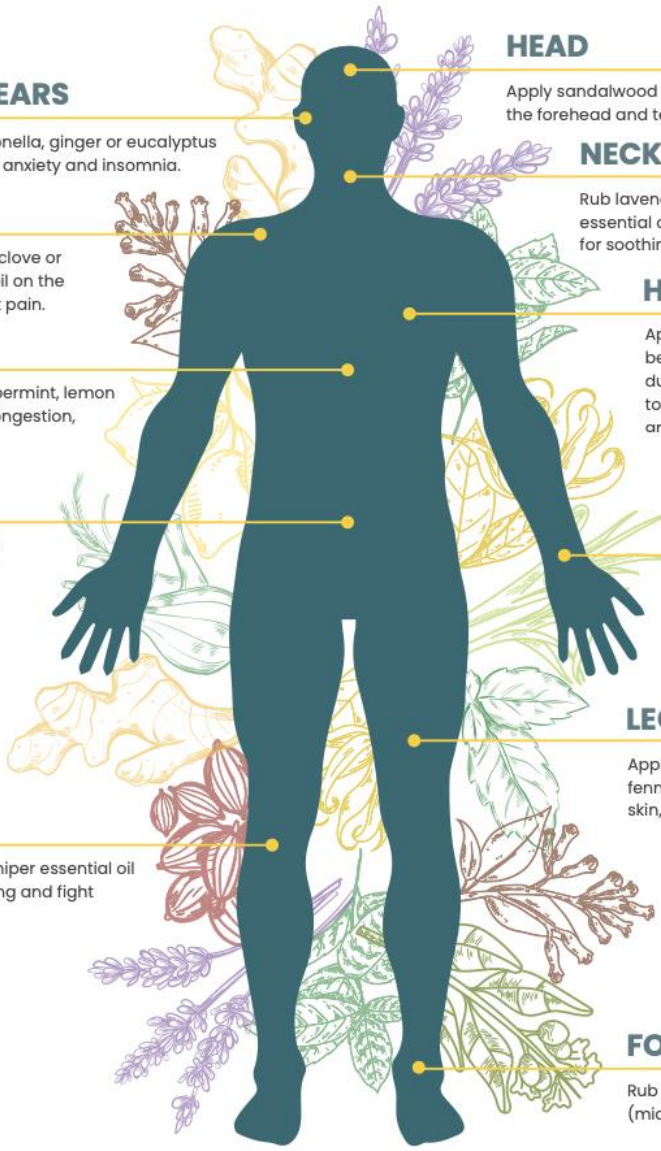
How it works in the body

Each essential oil has a different set of volatile chemical compounds that give it a different smell and a different benefit to the body. Essential oils are natural, aromatic chemicals that evaporate easily. There are 3 main ways that these molecules can enter the body :

- **Nose -** When an essential oil is inhaled, molecules are absorbed into the nasal cavity and the olfactory bulb (the part of the brain involved in the sense of smell).
- **Lungs -** Inhaling essential oils also send molecules into the lungs, which then pass into the bloodstream.
- **Skin -** When essential oils are applied to the skin, their healing components are absorbed into the bloodstream through the pores and hair follicles.

Topical application allows the essential oil to be absorbed through the skin. It is one of the quickest and easiest ways to experience the benefits of essential oils on the body. Topical application can be extremely beneficial for the skin, soothing for the body, useful for massaging and used in many ways in everyday life. The simplest and safest topical application is to add a carrier oil such as olive oil or jojoba oil. A mixture of carrier oils and essential oils can help protect the skin from irritation and reduce allergic reactions.

Optimal Locations For Essential Oil Application



BEHIND THE EARS

Apply peppermint, citronella, ginger or eucalyptus for headaches, fatigue, anxiety and insomnia.

SHOULDERS

Massage ylang-ylang, clove or wintergreen essential oil on the neck and shoulder joint pain.

CHEST

Apply eucalyptus, peppermint, lemon to the chest fo chest congestion, cough and asthma.

ABDOMEN

Apply fennel, clove and ginger to abdomen for digestive issue.

KNEES

Massage nutmeg or juniper essential oil into muscles for soothing and fight inflammation.

HEAD

Apply sandalwood or patchouli essential oil to the forehead and temples to soothe and relax.

NECK

Rub lavender, basil or peppermint essential oil onto the back of the neck for soothing and cooling sensation.

HEART

Apply ylang-ylang or bergamot over the heart during prayer or meditation to relieve, stress, deppresion and high blood prosuro.

WRISTS

Apply vetiver, jasmine or lemograss for calming properties.

LEGS

Apply geranium, patchouli or fennel to leg to maintain smooth skin, dermatitis and cellulite.

FOOT

Rub cedarwood or sandalwood (middle toes) into bottom of feet.

Pulse points are areas of the body where the blood vessels are closer to the skin so oils are absorbed faster.

Topical application through massage oils, creams and lotions allow the oils to be absorbed into the skin. Common carrier oils are sweet almond, jojoba and fractionated coconut. Always dilute before applying to the skin (0.5% - 2.0% concentration is recommended for skin application).

Used for bathing

Essential oils can be used in the bath but must be diluted beforehand. Warm water relaxes and soothes muscles, and opens your pores. Dilute 3-6 drops of essential oil in a tablespoon of dispersing agent such as sweet almond oil, full fat milk, bath salts or bath gel. Then sprinkle the mixture over the bath water and agitate.

Try placing few drops of uplifting oils like lime, bergamot or lemon in the bottom of the shower before turning on the hot water for an invigorating start to the day.

Bathing of the foot is done by immersing the infected foot in warm and moving water containing essential oil. Footbaths containing essential oils have been recommended for treating the symptoms of tinea pedis.

Essential Oils Used in Inhalation Aromatherapy

Common Name	Odor and flavor	Aromatherapy Effects
Patchouli	**Musky, Sweet, Spicy Aroma, Earthy, Calming Scent**	**Against Migraine, Anxiety, Relaxation and to help Reduce Stress**
Sandalwood	**Sweet, Balsamic and Woody Scent**	**Anxiolytic, Sedative-hypnotic Effects**
Clove	**Strong, Pungent, and Spicy Odor**	**Decreases pain intensity during labor**
Fennel	**Herbal, Anisetinged Scent**	**Bronchitis**
Citronella	**A Fresh, Citrus Aroma**	**Reducing Stress and Enhancing Concentration, suitable for Inhalation Aromatherapy**
Ginger	**Warm, Citrusy, Fresh, Pungent, Spicy Aroma and Taste**	**Warming and Soothing Effect that helps Clear Nasal Passages and Boost Energy, used in Inhalation to Improve Breathing**
Nutmeg	**Warming and Calming Effects**	**Alleviate Stress, Anxiety and Improve Sleep Quality**
Vetiver	**A Deep, Earthy, and Calming Aroma**	**Reduce Stress, Anxiety, and Insomnia**
Cajuput	**Fresh and Cooling Aroma**	**Helps to Relieve Respiratory Issues, Clear Nasal Congestion, and provides a Soothing Effect**
Cananga	**A Soft, Exotic Floral Scent, Relaxing Effect**	**Ease Anxiety, Tension, and Stress**
Eucalyptus	Strong aromatic, Camphoraceous scent	Helps ease nasal congestion, Common colds symptoms of upper respiratory tract with persisting mucus, Treatment of catarrh and asthma, Against migraine
Fennel	Herbal, Anisetinged Scent	Bronchitis
Bergamot	Fresh with hints of citrus and spice	Positive feelings, Against psychological stress and anxiety, Against migraine, To treat anxiety and depression
Lavender	Characteristic Odor and Sweet Floral Aroma	Attenuates behavioural and psychological symptoms of dementia in patients with Alzheimer's disease, Post-operative pain relief, Reduces procedural stress, Against migraine, Decrease stress and anxiety, Decreases pain intensity during labor
Jasmine	Sweet, Exotic and Richly Floral Scent	Relaxation and Decreases pain intensity during labor
Peppermint	Minty type odor that's cool and Refreshing	Cold and flu symptoms, Against Migraine, Decreases pain intensity during labor, Treat Exhaustion, Against Nausea

Note : **Products in bold font are available in our portfolio.**

USE OF
ESSENTIAL OIL

HAIR PRODUCT

Essential oils usually have amazing aromas to be excellent substitutes of the unpleasant odors of most dandruff shampoos, offering a subtle, fresh, and natural aroma.

Essential oils can affect the skin cellular function after topical application, while they provide antibacterial, antifungal, anti-inflammatory, and antioxidant benefits on the scalp, promoting an increase in the hair shaft density, cleaning effect on the hair bulb, and strengthening of the entire bulb/stem system. Due to these reasons (i.e., the natural source precedence and the low toxicity), several cosmetic products containing essential oils are available on the market promoting therapeutic action on both scalp and hair shaft conditioning.

The essential oil active ingredients can penetrate the scalp quickly, nourish the deep hair follicles, supplement the nutrition, stimulate the hair follicle growth, moisturize the hair roots, strengthen the hair, and even effectively remove unwanted metabolites that block the pores.

The use of a few essential oil drops in the final hair rinse or added directly to shampoo was reported:

- **Patchouli Oil -** Patchouli oil's earthy scent supports relaxation, and its antifungal properties can reduce dandruff and scalp infections, which can create a healthier environment for hair growth.
- **Citronella Oil -** Known for its refreshing aroma, Citronella oil also has scalp-cleansing properties that can help prevent dandruff and promote a clean, healthy scalp environment for hair growth.
- **Ginger Oil -** Ginger oil stimulates blood circulation to the scalp, encouraging hair growth and strengthening hair roots. It also has antimicrobial properties that can reduce scalp infections.
- **Nutmeg Oil -** Nutmeg oil's warming properties increase blood circulation when applied to the scalp, which can encourage hair growth and strengthen hair follicles.
- **Vetiver Oil -** Known for its calming, earthy scent, Vetiver oil has nourishing properties that help moisturize the scalp, prevent hair breakage, and promote hair growth.
- **Cajeput Oil -** Not only does Cajeput oil help clear respiratory issues, but it also has antimicrobial properties that support a healthy scalp. Regular application (diluted with a carrier oil) can stimulate hair follicles and potentially promote hair growth.
- **Cananga Oil -** The floral aroma of Cananga oil is not only relaxing but also nourishing for the scalp. It helps balance oil production, which can reduce dandruff and create a healthier environment for hair growth.
- **Rosemary & Chamomile -** Improve hair growth and prevent hair loss or helped the conditioning and stimulated the hair growth.
- **Lavender -** May be used to repel lice and fleas.
- **Bergamot & Tea Tree -** May control dandruff.
- **Rosemary -** Showed tonic skin properties, promoting a calming effect and hair growth, and the scalp stimulation, thus becoming a proper treatment for both dandruff and oily hair.

Note : Products in purple color are available in our portfolio.

Essential oils are mimetic to human skin and scalp and have been used by health professionals and aesthetic clinics in scalp disorders treatments. Many types of oil carriers are currently available. For instance, vegetable oils such as avocado oil, coconut oil, sweet almond oil, argan oil, etc. Carrier oil can prevent the rapid volatilization of essential oils, and even prolong their action.

USE OF
ESSENTIAL OIL

COSMETIC OR BEAUTY PRODUCT

The renewed consumer interest in natural cosmetic products has sparked the increase in research in field of medicinal, aromatic and cosmetic (MAC) plant extracts to use and/or take advantages from them in health and cosmetic care products.

Cosmetics can be grouped in seven categories: skin care and maintenance; cleansing; odour improvement; hair removal; hair care and maintenance; care and maintenance of mucous membrans; and decorative cosmetics.

The cosmetic properties of aromatic plants, especially as fragrance, are attributed to essential oils. Hence, essential oils are normally an ingredient present in all categories of cosmetic products. Essential oils are the ingredients added to natural origin products with fragrance. Once they contain several components with fragrance properties well blended, essential oils improve the odour of a product.

Example of essential oils present in the different categories of cosmetic products

Type Of Cosmetic	Essential Oil
Skin care and maintenance	
Anti-Ageing	Vanillin, **Sandalwood**, Olive, Borage, Evening Primrose, Chamomile
Sunscreens	Lavender and Oregano
After-Sun	Tea tree, **Patchouli**, Menthol, Chamomile
Cosmetic textiles	Lavender, Sage, Rosemary, Aloe Vera
Repairing - Anti-acne agents	Rosemary
Moisturizers	Chamomile
Softener/smoothing	Fenugreek
Repairing - Anti-wrinkling agent	Camellia, Centella asiatica, Hippophae
Cleansing Product	
Soaps	Sweet orange and Lavender
Dentifrices and Toothpastes	Sage, **Clove**, Eucalyptus, Peppermint, Menthol mint, Myrrh
Odour Improvement	
Perfumes, Deodorants and antiperspirants	Lemon, **Clove**, Sweet orange, Geranium
Hair Removal	
Depilatories	Peppermint
Hair Maintenance	
Conditioning and Shine	Lavender, West Indian Bay, Chamomile
Anti-Dandruff	Thyme, Garlic, Bergamot, Tea tree
Hair Growth Stimulants	Sage
Care and Maintenance of Mucous Membranes	
Mouthwashes	**Piper betle L**, Eucalyptol, Menthol, Thymol

Note : **Products in pink bold font are available in our portfolio.**

Flower essential oils, such as rose, tuberose, narcissus, gardenia, jasmine and Lavender, remain the most popular aroma ingredients in the cosmetic industry. Other essential oils commonly used in cosmetics for the same purpose are patchouli, citronella, sandalwood, bergamot, rosemary, mint and vetiver.

The use of essential oils as cosmetic ingredients has several advantages, such as enhancing the cosmetic properties and preservation.

USE OF
ESSENTIAL OIL

FRAGRANCES

Interest in the research of essential oils is mainly championed by the perfume industry. This market demand has given rise to the production of synthetic fragrances and flavors.

Essential oils can be classified as top, middle and base "notes" according to their odorous characteristics, diffusion rate in air and volatility. For instance, the top notes are those that are the most volatile and the first perceptible odors that are detected and fade first while providing freshness to the blend. They are responsible for customer first impressions, and therefore, are the selling note of a perfume. They are light scents, lasting 5–10 minutes or remain for a maximum of 30 minutes. These include bergamot, juniper, cinnamon, and gardenia.

Middle notes are those essential oils tending to be spicy or floral and give body to blends; their duration time is also brief and can remain up to 1 hour. These include **Vetiver Oil, Sandalwood Oil, Patchouli Oil, Cananga Oil, Clove Oil***, Ylang-ylang Oil, Geranium Oil, Lavender Oil, and Jasmine Oil.

In contrast, the base notes give a perfume the depth and last the longest. These are the least volatile essential oils that remain longer up to several hours. Some essential oils that are used as base notes are myrrh, vanilla, sandalwood, and frankincense.

Essential oils are important components of perfumes, offering a wide variety of choices for perfume formulations. Perfumes are formulated mostly using alcohol. Eau de types of perfumes are mostly formulated using the essential oils and are usually amber color because of their natural oils color, but they are normally clear. Perfume types can be defined by the amount of essential oil.

*Note : Products in bold font are available in our portfolio.

Varying percentage of essential oils and alcohol in different perfume types

Type of Perfume	Essential Oil	Alcohol
Eau de parfum	8–15%	80–90%
Eau de toilette	4–8%	80–90%
Eau de cologne	3–5%	70%
Splash colognes	1–3%	80%

USE OF
ESSENTIAL OIL

FLAVORING

Nutmeg essential oil, derived from Myristica fragrans, is rich in compounds like sabinene, myristicin, and limonene. It has antimicrobial and antioxidant properties, making it useful as a natural preservative in food. For example, studies highlight its effectiveness against various bacteria and fungi, and it shows potential in inhibiting the growth of foodborne pathogens, contributing to food preservation.

Nutmeg oil has been studied for its use in improving the shelf-life of food products, such as in an edible coating that extends the shelf-life of beef slices by reducing microbial growth. The oil is also evaluated for its antioxidant properties, which contribute to its role as a food preservative and flavor enhancer.

Nutmeg's essential oil has been used as a natural flavoring extract and as a perfume in the cosmetic industries. In particular, the oil has been used as a flavoring agent, replacing ground nutmeg in order to avoid leaving particles in foods and beverages. In addition to being nutritionally rich and having widespread use in flavorings, current research seems to focus on the potential use of nutmeg and its essential oil as food preservatives.

Ginger as a flavoring

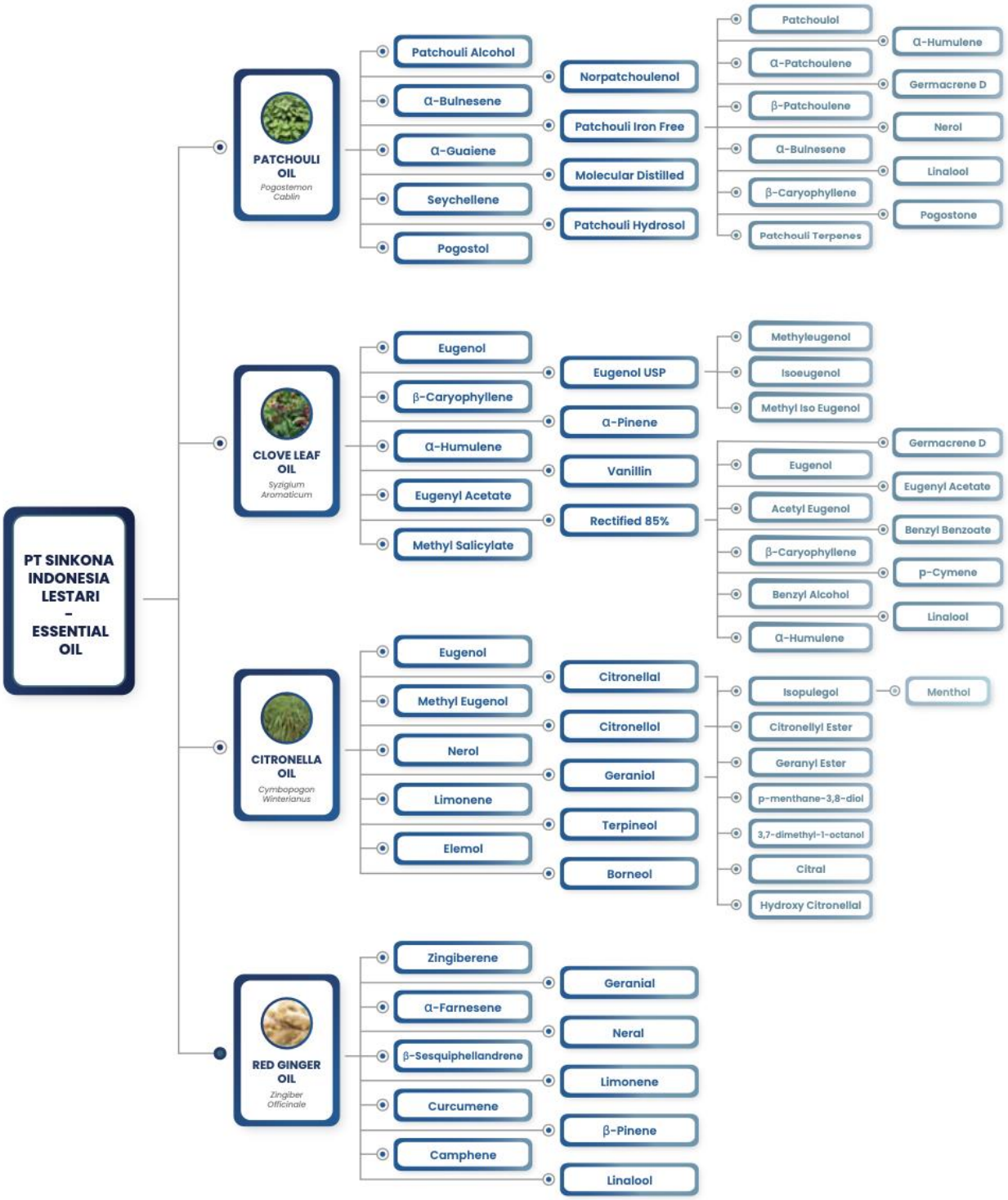
Ginger oil, derived from Zingiber officinale, contains compounds like zingiberene, ar-curcumene, and geranial. Its antimicrobial and antioxidant properties make it useful in the food industry for preserving food and enhancing flavor.

In particular, ginger oil's antioxidant capacity helps prevent food oxidation, contributing to longer shelf-life in processed foods. ginger essential oil are beneficial in the food industry, not only for their aromatic qualities but also for their role in enhancing food safety and extending shelf life through their antimicrobial and antioxidant effects.

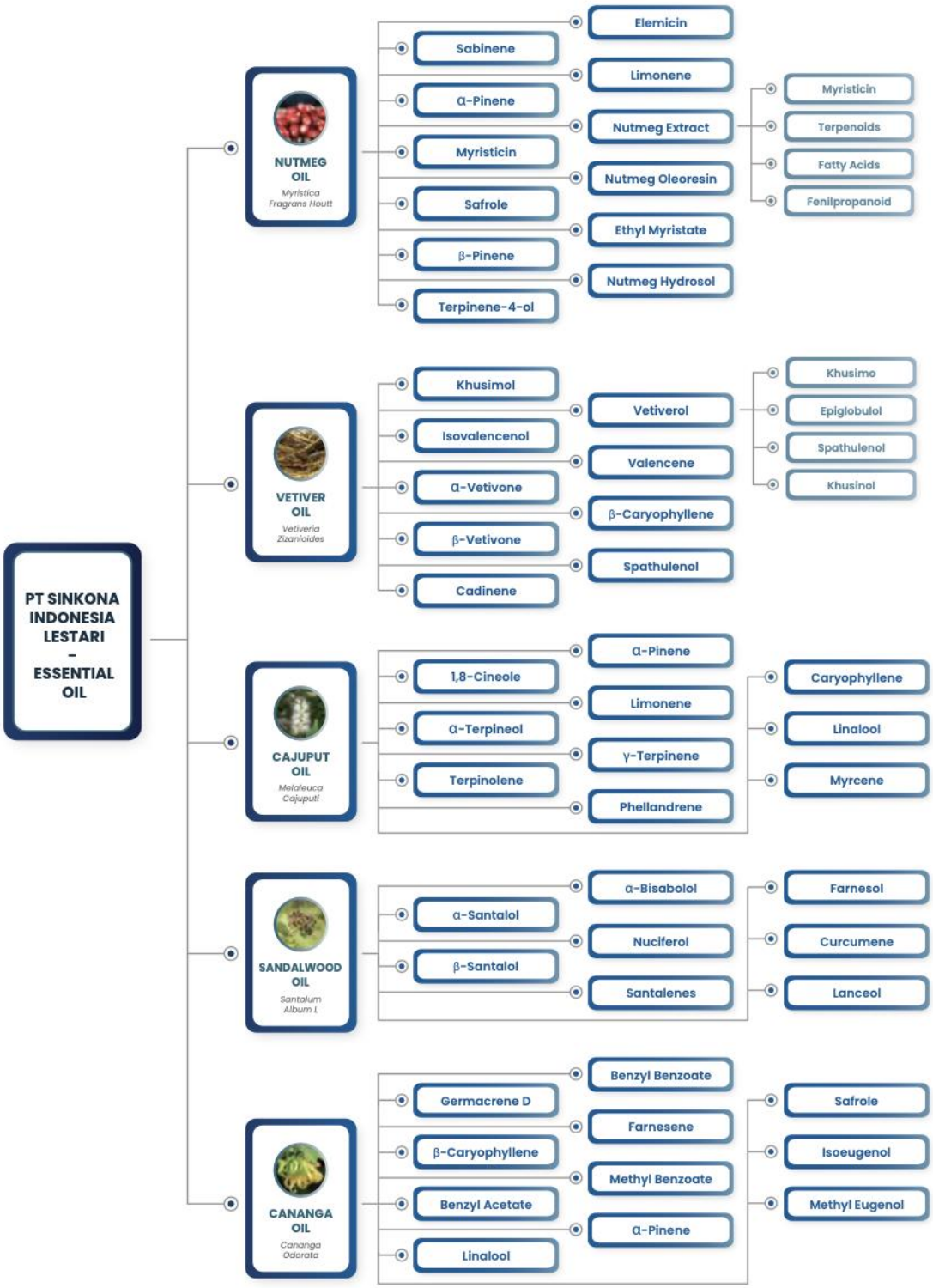
The health-promoting properties of ginger are due to the presence of gingerols, volatile oils, shogaols and high antioxidant compounds. Various types of studies on the antioxidant properties and bioactivities of ginger have been conducted. Due to its aroma, and flavor potential, ginger is also consumed in the food, beverage, and confectionery industries worldwide. Ginger is an ingredient in products such as jam, pickles, chutney, ginger beer, ginger wine, liqueurs, and other baked goods.

Ginger increases the value of food by preventing spoilage and increasing product shelf life. In addition to maintaining food quality through preservation, ginger has natural coloring properties and is used as an alternative to synthetic colorings. Ginger is one of the most common spices related to a specific flavor bestowed for culinary purposes worldwide. Ginger brings flavor to each food style and culinary identity of different countries. Therefore, ginger is used to add value to food products to meet consumer's demand.

ESSENTIAL OIL
COMPOUNDS



ESSENTIAL OIL
COMPOUNDS



OUR PRODUCT

PATCHOULI OIL

Patchouli is a herbaceous plant, which belongs to the family Lamiaceae and inherent to South Asian countries. Patchouli is originally obtained from word patchai (Tamil), which is known as 'green leaf'. This green leaf Patchouli plant is cultured throughout the world but majorly it is origin of Indonesia. Intense and persistent fragrance odor, earthy, spicy, strong, sweet, balsamic leave. Soluble in alcohol, insoluble in water.

Health Benefits :

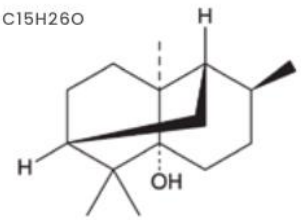
Acts as an **antidepressant** and **anti-anxiety agent,** promoting relaxation. It also supports **skin regeneration** and is often used in **wound healing**.

Market Segment :

Fragrance | Cosmetic | Household | Aromatherapy

Chemical Data :

Formula : C15H26O



- **Main Component :** Patchoulol (29-30%)
- **Description** : The main component of patchouli oil, responsible for its characteristic woody and earthy scent. Patchoulol is also known for its anti-inflammatory and antimicrobial properties.

Benefits and Uses :

- Anti depressant.
- Anti phlogistic.
- Anti septic.
- Aphrodisiac.
- Astringent.
- Cicatrisant.
- Cytophylactic.
- Deodorant.
- Diuretic.
- Febrifuge.
- Fungicide.
- Insecticide.
- Sedative.
- Tonic.

Standart Product Specifications :

Product	Patchouli Oil Sulawesi
Item Code	4020007BC
Botanical Name	*Pogostemon Cablin*
CAS* No	8014-09-3; 84238-39-1
FEMA	2838
Appearance	Yellowish to yellowish brown liquid
Production Process	Steam distilated from dried leaves from *Pogostemon Cablin*

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

OUR PRODUCT

PATCHOULI OIL IRON FREE

Patchouli Oil Indonesian is derived from the rough and earthy *Pogostemon Cablin* herb. This oil is heavily used in fragrance, forever immortalized by its inclusion within the main structure of the "Chypres" perfume family. Indonesia is the world's largest producer of patchouli oil, as the plant thrives within warm and tropical environments. The warm, earthy, and slightly camphoraceous aroma of Indonesian Patchouli makes it an ideal choice as a substantive middle or base note within fine fragrance.

Health Benefits :

Anti-inflammatory and antimicrobial: Useful in treating skin conditions such as acne, eczema, and dermatitis. **Mental health support**: Helps alleviate stress, anxiety. **Skin regeneration**: Promotes wound healing and supports the growth of new skin cells.

Benefits and Uses :

- Antifungal.
- Antibacterial.
- Anti-inflammatory.
- Hair Care.
- Health.
- Mental Health.
- Skin Care.

Standart Product Specifications :

Product	Patchouli Oil Sulawesi Iron Free
Item Code	4020028BC
Botanical Name	*Pogostemon Cablin*
CAS* No	8014-09-3; 84238-39-1
FEMA	2838
Production Process	Steam distilated from dried leaves from *Pogostemon Cablin* & Essential Oil is obtained by molecular distillation from Patchouli Oil.

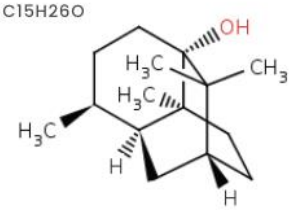
*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

Market Segment :

Fragrance | Cosmetic | Aromatherapy

Chemical Data :

Formula : C15H26O



- **Main Component** : Patchoulol (29-30%)
- **Description** : Patchoulol is the primary sesquiterpene alcohol in patchouli oil, contributing to its deep, woody, and earthy aroma. It has anti-inflammatory, antimicrobial, and antifungal properties, making it valuable in skincare and medicinal applications.

OUR PRODUCT

PATCHOULI OIL MD (MOLECULAR DISTILLED)

Patchouli oil is one of several kinds of essential oils. Molecular distillation technology has many advantages due to the characteristic vapor pressure of each substance. Patchouli Oil MD is even more heavily distilled than Patchouli Light, removing almost all of the oil's dark brown color and instead turning it a shade of pale yellow. Even though it undergoes a lengthy distillation process, Patchouli Oil MD still retains the same rich and sweet herbaceous aroma of Patchouli Light. Due to its nearly transparent color, the oil can be used in a massive variety of fragrance products, including perfumes, antiperspirants, lotions, and body creams.

Health Benefits :

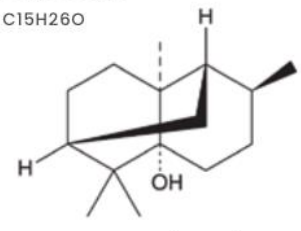
Enhanced potency: Molecular distillation results in a more refined oil with concentrated therapeutic properties. **Anti-aging and antioxidant properties**: Used in high-end cosmetics to combat skin aging and oxidative damage. Emotional balance and relaxation. **Antifungal and antibacterial effects**: Inhibits microbial growth, beneficial for personal care and hygiene products.

Market Segment :

Fragrance | Cosmetic | Aromatherapy

Chemical Data :

Formula : C15H26O



- **Main Component** : Patchoulol (29-30%)
- **Description** : The main component of patchouli oil, responsible for its characteristic woody and earthy scent. Patchoulol is also known for its anti-inflammatory and antimicrobial properties.

Benefits and Uses :

- Anti-inflammatory.
- Antiseptic Properties.
- Aromatheraphy.
- Cosmetics.
- Perfumery.
- Pharmaceuticals.

Standart Product Specifications :

Product	Patchouli Oil Sulawesi Molecular Distilled
Item Code	4020027BC
Botanical Name	*Pogostemon Cablin*
CAS* No	8014-09-3; 84238-39-1
FEMA	2838
Production Process	Steam distilled from the dried leaves and branches of *Pogostemon Cablin*, followed by further processing using molecular distillation.

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

OUR PRODUCT

CLOVE LEAF OIL

Clove (*Syzygium Aromaticum*) is an essential aromatic spice and are among the oldest spices and drugs in history. CLO is derived from the dried leaves that called Clove Leaf Oil (CLO), contains mostly 75% eugenol with little or no eugenyl acetate, and minor constituents. Clove leaves in large quantities pile up after the clove harvest. This is one of our commitments in processing clove leaves into essential oils to create added value for farmers and local residents.

Health Benefits :

Functions as a **local anesthetic and anti-inflammatory agent**, often used for **dental pain relief** and to manage **minor infections** due to its antiseptic properties.

Benefits and Uses :

- Antioxidant.
- Antiseptic.
- Carminative.
- Anesthetic.
- Anodyne.
- Stimulant.
- Anti-inflammatory.
- Antispasmodic.

Standart Product Specifications :

Product	Clove Leaf Oil
Item Code	4020001BC
Botanical Name	*Syzigium Aromaticum*
CAS* No	8015-97-2; 84961-50-2
FEMA	2325
Description	- Spicy, Fresh, Sweet and Warm - Soluble in alcohol
Appearance	Light yellow to brownish yellow liquid
Production Process	Steam distilated from of dried leaves *Syzigium Aromaticum*

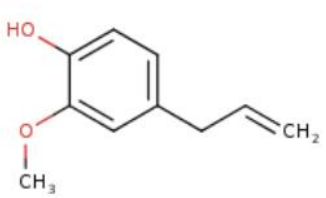
*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

Market Segment :

Pharmaceutical | Food & Beverage | Fragrance | Aromatherapy

Chemical Data :

Formula : C10H12O2



- **Main Component :** Eugenol (75%)
- **Description :** Eugenol is the primary component of clove leaf oil and is responsible for its strong, spicy, and warm aroma. It has significant analgesic, anti-inflammatory, and antimicrobial properties, making it useful in dentistry and for treating infections.

OUR PRODUCT

CLOVE LEAF RECTIFIED 85%

Clove Leaf Rectified 85% is an essential oil derived from the leaves of the clove tree (*Syzygium Aromaticum*) and has undergone a rectification process for further purification. the clove leaf oil undergoes rectification (purification) to remove unwanted compounds, such as those responsible for off-odors, and to increase the eugenol concentration to 85%. This process makes the oil more stable and suitable for specific applications. "Clove Leaf Rectified 85%" is a more refined material than raw clove oil, with a high eugenol content and numerous applications.

Health Benefits :

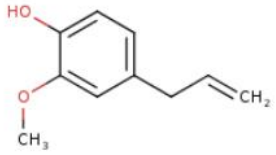
Higher eugenol concentration enhances **analgesic and antimicrobial** effects, making it ideal for **pharmaceutical formulations**.

Market Segment :

Fragrance | Household | Pharmaceutical

Chemical Data :

Formula : C10H12O2



- **Main Component** : Eugenol (85%)
- **Description** : Eugenol is the primary component of clove leaf oil and is responsible for its strong, spicy, and warm aroma. It has significant analgesic, anti-inflammatory, and antimicrobial properties, making it useful in dentistry and for treating infections.

Benefits and Uses :

- Aromatherapy.
- Perfuming.
- Flavoring.
- Cosmetic Industry.
- Therapeutic and Health.

Standart Product Specifications :

Product	Clove Leaf Oil Rectified
Item Code	4020018BC
Synonym	*Syzigium Aromaticum*
CAS* No	8000-34-8; 84961-50-2
FEMA	2325
Production Process	Essential Oil is obtained by molecular distillation from Clove Leaf Oil.

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

OUR PRODUCT

CITRONELLA OIL

The essential oil from *Cymbopogon Winterianus* is known as Citronella Oil, and has been traditionally used as mosquito repellent, household fumigant, or fragrance agent in food commodities , soap and cosmetics. Although some previous studies using the disc diffusion method had revealed that Citronella oil exhibited antibacterial an antifungal activities.

Health Benefits :

Acts as a **natural insect repellent**, with **anti-inflammatory** and **antibacterial properties**. It also provides relief from **muscle spasms** and **stress-related tension**.

Benefits and Uses :

- Antiseptic.
- Anti-bacterial.
- Anti-depressant.
- Anti-spasmodic.
- Anti-spasmodic.
- Anti-inflammatory.
- Diuretic.
- Deodorant.
- Febrifuge.
- Fungicidal.
- Insect repellent.
- Etc.

Standart Product Specifications :

Product	Citronella Oil
Item Code	4020002BC
Botanical Name	*Cymbopogon Winterianus*
CAS* No	8000-29-1; 91771-61-8
FEMA	2308
Description	- Citrusy, Slight, Sweet, Flowery, Roselike odor - Soluble in alcohol, insoluble in water
Appearance	Pale yellow to pale brown liquid
Production Process	Steam distilated from fresh of leaves from *Cymbopogon Winterianus*

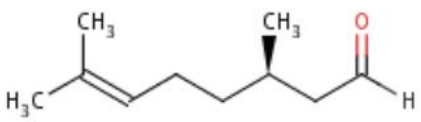
*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

Market Segment :

Insect Repellent | Cosmetic | Household | Aromatherapy

Chemical Data :

Formula : C10H18O



- **Main Component :** Citronellal (35-40%)
- **Description :** Citronellal is the primary component responsible for the lemon-like fragrance of citronella oil. It is known for its strong insect-repellent properties, and it also has antifungal and antibacterial benefits.

OUR PRODUCT

RED GINGER OIL

Indonesian Red Ginger Oil, is an essential oil extracted from the rhizomes of red ginger (*Zingiber officinale var. rubrum*). Red ginger is a variety of ginger with reddish-colored rhizomes and is smaller compared to regular ginger. Red Ginger Oil is known for its higher content of active compounds and its benefits in the fields of health, pharmaceuticals, and cosmetics.

Health Benefits :

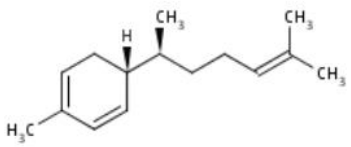
Known for its **anti-inflammatory** and **antioxidant properties**, it improves **circulation** and supports digestion, reducing symptoms of **nausea** and **joint pain**.

Market Segment :

Pharmaceutical | Food & Beverage | Cosmetic | Aromatherapy

Chemical Data :

Formula : C15H24



- **Main Component** : Alpha-Zingiberene (20%)
- **Description** : Zingiberene is the primary compound responsible for the spicy, warm aroma of ginger oil. It has anti-inflammatory, analgesic, and antioxidant properties, making it beneficial for pain relief and reducing inflammation.

Benefits and Uses :

- Astringent.
- Decongestive.
- Carminative.
- Antidepressant.
- Analgesic.
- Restorative.
- Antiseptic.
- Aphrodisiac.
- Calmative.
- Spasmolytic.
- Stimulating.
- Detoxicant.
- Expectorant.
- Digestive.
- Immune system regulator.

Standart Product Specifications :

Product	Red Ginger Oil
Item Code	4020006BC
Botanical Name	*Zingiber officinale var. rubrum*
CAS* No	8007-08-7
FEMA	2522
Appearance	Light yellow to brownish yellow liquid
Production Process	Steam distilated from of ground rhizomes *Zingiber officinale var. rubrum*

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

OUR PRODUCT

NUTMEG OIL

Indonesian nutmeg oil is of exceptional quality and is recognized for its benefits across various industries, including pharmaceuticals, cosmetics, food, and aromatherapy.

Health Benefits :

Exhibits **anticonvulsant and antioxidant activity** and is used to alleviate **digestive issues, muscle pain**, and mild anxiety.

Benefits and Uses :

- Analgesic.
- Antiemetic.
- Antioxidant.
- Antirheumatic.
- Antiseptic.
- Antispasmodic.
- Antiparasitic.
- Aphrodisiac.
- Cardiac.
- Vermifuge.
- Laxative.
- Prostaglandin inhibitor.
- Stimulant.
- Tonic.

Standart Product Specifications :

Product	Nutmeg Oil
Item Code	4020004BC
Botanical Name	*Myristica Fragrans Houtt*
CAS* No	8008-45-5; 84082-68-8
FEMA	2793
Description	- Spicy, sweet, and warm - Soluble in alcohol, insoluble in water
Appearance	Colorless to pale yellow liquid
Production Process	Steam distilated from of dried kernels of the ripe seed *Myristica Fragrans Houtt*

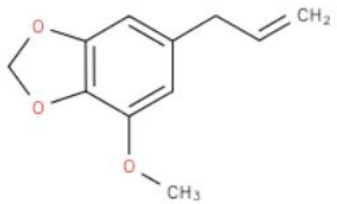
*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

Market Segment :

Pharmaceutical | Food & Beverage | Fragrance | Cosmetic

Chemical Data :

Formula : C11H12O3



- **Main Component** : Myristicin (8.5-9%)
- **Description** : A phenylpropene compound that gives nutmeg oil its characteristic warm, spicy aroma. Myristicin has psychoactive properties and is also known for its antioxidant and antimicrobial activities.

OUR PRODUCT

VETIVER OIL

Vetiver is a perennial graminaceous plant growing wild, half wild or cultivated in many tropical and subtropical areas. Vetiver is also cultivated for its unique ability among grasses to produce in the root an essential oil, a complex mixtures of sesquiterpene alcohols and hydrocarbons, which are mostly used as a basic material for perfumery and cosmetics.

Health Benefits :

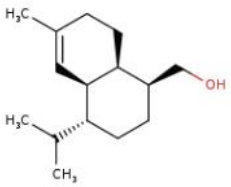
Known for its **sedative** effect, it helps manage **insomnia, anxiety**, and **mental fatigue**, promoting deep relaxation.

Market Segment :

Fragrance | Cosmetic | Household | Aromatherapy

Chemical Data :

Formula : C15H26O



- **Main Component :** Khusimol (11%)
- **Description** : Khusimol is one of the primary sesquiterpenic alcohols in vetiver oil. It is responsible for its earthy and woody scent and is known for its antioxidant, antimicrobial, and grounding effects in aromatherapy.

Benefits and Uses :

- Antiseptic.
- Aphrodisiac.
- Anti-inflammatory.
- Cicatrisant.
- Nervine.
- Sedative.
- Tonic.
- Vulnerary.

Standart Product Specifications :

Product	Vetiver Oil
Item Code	4020003BC
Botanical Name	*Vetiveria Zizanioides*
CAS* No	8016-96-4; 84238-29-9
FEMA	-
Description	- Aromatic to harsh, woody odor which improve on aging, warm, freshy - Soluble in alcohol
Appearance	Brown to reddish brown viscous liquid
Production Process	Steam distilated from of roots of the grass *Vetiveria Zizanioides*

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

OUR PRODUCT

CAJUPUT OIL

Indonesian eucalyptus oil is globally renowned for its high quality and numerous benefits across various sectors, including health, pharmaceuticals, and aromatherapy.

Health Benefits :

Acts as an **expectorant** for respiratory congestion and has **antiseptic properties**, helping in wound care and infection prevention.

Market Segment :

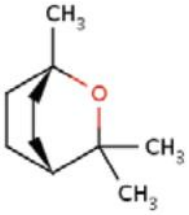
Pharmaceutical | Household | Cosmetic | Aromatherapy

Benefits and Uses :

- Antiseptic.
- Decongestant.
- Febrifuge.
- Carminative.
- Cosmetic.
- Analgesic.
- Vermifuge.
- Stimulant.
- Bactericide.
- Sudorific.
- Antineuralgic.
- Tonic.
- Insecticide.
- Expectorant.
- Antispasmodic.
- Emenagogue.

Chemical Data :

Formula : C10H18O



- **Main Component** : Cineole (45-65%)
- **Description** : The primary component of cajuput oil, 1,8-cineole is responsible for the oil's characteristic camphorous, fresh, and cooling aroma. It is known for its powerful expectorant, antiseptic, and anti-inflammatory properties, making it useful for treating respiratory conditions such as coughs, colds, and bronchitis.

Standart Product Specifications :

Product	Cajuput Oil (Premium)
Item Code	4020014BC
Botanical Name	*Melaleuca Cajuputi*
CAS* No	8008-98-8
FEMA	2225
Description	- Camphor odor, pungent, strong. - Slightly soluble in water, miscible with alcohol
Appearance	Colorless to greenish yellow liquid
Production Process	Steam distilated from of leaves from *Melaleuca Cajuputi*

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

OUR PRODUCT

SANDALWOOD OIL

Sandalwood oil is widely used in the cosmetic, perfumery and aromatherapy industries. Indonesian Sandalwood is known for its fine-grained texture and rich, creamy yellow color that darkens with age. The heartwood is particularly valued for its oil content and aromatic properties. The fragrance of Indonesian Sandalwood is considered rich, warm, and long-lasting, making it a prized ingredient in high-end perfumes and incense.

Health Benefits :

Used for its **anti-inflammatory** and **calming effects** to manage **anxiety** and enhance **mental clarity and focus**.

Market Segment :

Fragrance | Cosmetic | Aromatherapy

Standart Product Specifications :

Product	Sandalwood Oil
Item Code	4020023BC
Botanical Name	*Santalum Album L*
CAS* No	84787-70-2 ; 8006-87-9
FEMA	3005
Appearance	Clear, slightly viscous liquid
Production Process	Steam distilated from heartwood of *Santalum Album L*

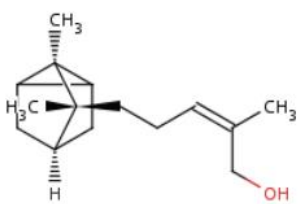
*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

Benefits and Uses :

- Stimulation.
- Tonifying.
- Relaxation.

Chemical Data :

Formula : C15H24O



- **Main Component** : Alpha-Santalol (45-55%)
- **Description** : The primary sesquiterpene alcohol in sandalwood oil, α-santalol is responsible for much of the oil's rich, woody fragrance. It is known for its calming and relaxing effects, as well as anti-inflammatory, antimicrobial, and skin-soothing properties.

OUR PRODUCT

CANANGA OIL

Cananga Oil an essential oil Extracted from the flowers of the Cananga tree (*Cananga odorata*), which is native to tropical regions, including Indonesia. This oil is closely related to Ylang-Ylang oil, although it is typically considered to have a slightly more earthy and woody scent compared to the sweeter, more floral Ylang-Ylang.

Health Benefits :

Known for its **antispasmodic and hypotensive** effects, helping to relieve **hypertension** and **improve mood stability**.

Benefits and Uses :

- Antiseptic.
- Antibacterial.
- Antibacterial.
- Promote Relaxation.
- Reduce Stress.

Standart Product Specifications :

Product	Cananga Oil
Item Code	4020024BC
Botanical Name	*Cananga Odorata*
CAS* No	68606-83-7
FEMA	2232
Appearance	Pale yellow to deep amber
Production Process	Steam distilated from flower of Cananga Odorata

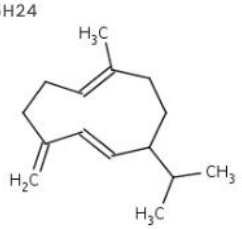
*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

Market Segment :

Fragrance | Food & Beverage | Aromatherapy

Chemical Data :

Formula : C15H24



- **Main Component** : Caryophyllene (30-40%)
- **Description** : Germacrene D contributes to the woody, slightly spicy scent of Cananga oil. It is a sesquiterpene known for its anti-inflammatory, antibacterial, and antifungal properties.

OUR PRODUCT

FRESH GINGER OIL

Zingiber officinale, commonly known as ginger, is globally one of the most commonly used spices. It also possesses medicinal value and has been used extensively in various traditional and folk systems of medicine around the world. Ginger oil is shown to possess good antibacterial, antifungal properties when used in food preparation.

Health Benefits :

Ginger oil is known for its powerful **anti-inflammatory, analgesic**, and **antioxidant effects**. It is commonly used to **relieve muscle and joint pain**, **improve blood circulation**, and support healthy **digestion**. In addition, this oil is useful for **relieving nausea and colds**, and is often used in aromatherapy to provide a **relaxing effect** and **reduce stress**.

Benefits and Uses :

- Analgesic.
- Antioxidant.
- Anti-inflammatory.
- Blood Circulation.
- Relaxation.
- Relieve Muscle.
- Reduce Stress.
- Healthy Digestion.

Standart Product Specifications :

Product	Fresh Ginger Oil
Item Code	-
Botanical Name	*Zingiber officinale*
CAS* No	8007-08-7 ; 84696-15-1
FEMA	2522
Appearance	Pale yellow to dark yellow liquid with a spicy, warm, and characteristic ginger scent.
Production Process	Steam distillation The ginger rhizomes of *Zingiber officinale*

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

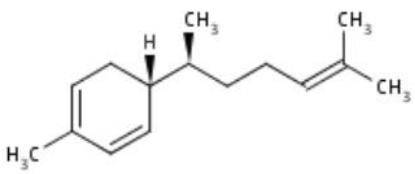
Market Segment :

Flavor

Aromatherapy

Chemical Data :

Formula : C15H24



- **Main Component :** Zingiberene (20-30%)
- **Description** : Zingiberene is the primary compound responsible for the spicy, warm aroma of ginger oil. It has anti-inflammatory, analgesic, and antioxidant properties, making it beneficial for pain relief and reducing inflammation.

OUR PRODUCT

KAFFIR LIME OIL

Kaffir lime (Citrus Hystrix L) is one of the less popular citrus varieties, due to its unpalatable fruit in contrast to other common citrus species. Kaffir lime oil is not only used as a flavoring agent in food, but also in pharmaceutical and cosmetic industries.

Health Benefits :

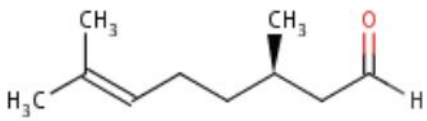
Kaffir lime oil is known to have **antioxidant**, **antibacterial**, and **anti-inflammatory** properties. It is often used in aromatherapy to **improve mood**, **reduce stress**, and **relieve symptoms** of **anxiety**. In addition, kaffir lime oil is also popular in traditional medicine to support **healthy skin** and hair, **reduce dandruff**, and **strengthen hair follicles**.

Market Segment :

Fragrance | Cosmetic | Personal Care

Chemical Data :

Formula : $C_{10}H_{18}O$



- **Main Component :** Citronellal
- **Description :** Contains citronellal and limonene, which contribute greatly to its aromatic properties and therapeutic benefits.

Benefits and Uses :

- Antioxidant.
- Antibacterial.
- Anti-inflammatory.
- Anxiety.
- Improve Mood.
- Reduce Stress.
- Relieve Symptoms.
- Strengthen Follicles.
- Reduce Dandruff.
- Healthy Skin.

Standart Product Specifications :

Product	Kaffir Lime Oil
Item Code	4020010BC
Botanical Name	*Citrus Hystrix L*
CAS* No	68917-33-9
FEMA	2838
Appearance	Clear to pale yellow liquid with a distinctive lime aroma
Production Process	Steam distillation from the peel of *Citrus Hystrix*

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

OUR PRODUCT

BETA-CARYOPHYLLENE OIL

Beta-Caryophyllene is a compound in the bicyclic sesquiterpene group. This compound has a strong woody aroma, is difficult to dissolve in water, and is a volatile compound. Several study has been reported that Beta-Caryophyllene was effective on various diseases including cancer, inflammatory disease and neurodegenerative diseases.

Health Benefits :

Beta-caryophyllene is known for its **anti-inflammatory**, **analgesic** and **anti-anxiety** properties. Interestingly, this compound interacts directly with CB2 receptors in the body's endocannabinoid system. This helps to **relieve pain**, **reduce inflammation** and **support immune function**. This makes it a useful **treatment** for conditions associated with **chronic pain**, such as **arthritis** and some skin conditions.

Beta-caryophyllene Oil

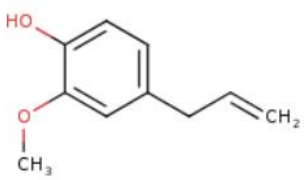
Market Segment :

Fragrance

Cosmetic

Chemical Data :

Formula : C10H12O2



- **Main Component** : Eugenol (85%)

- **Description** : Eugenol is the primary compound in Clove Leaf Oil, giving it its characteristic spicy and warm scent. It is known for its strong analgesic, anti-inflammatory, antimicrobial, and antifungal properties. Eugenol is widely used in dentistry for its pain-relieving properties and in various medicinal and cosmetic applications.

Benefits and Uses :

- Analgesic.
- Anti-anxiety.
- Anti-inflammatory.
- Arthritis Treatment.
- Relieve Pain.
- Reduce inflammatory.
- Support Immune.
- Treatment.

Standart Product Specifications :

Product	Beta-caryophyllene Oil
Item Code	-
Botanical Name	*Syzigium Aromaticum*
CAS* No	8015-97-2; 84961-50-2
FEMA	2325
Description	- Spicy, Fresh, Sweet and Warm - Soluble in alcohol
Appearance	Light yellow to brownish yellow liquid
Production Process	Steam distilated from of dried leaves *Syzigium Aromaticum*

*CAS is a registry of chemical identification numbers maintained by the American Chemical Society

OUR ESSENTIAL OIL
LIST OF PRODUCTS

Common Name	Local Name	Botanical Name	Part Used	FEMA Number	CAS Number	Certified on				
						Halal	Kosher	FSSC	ISO 9001	ISO 140001
Patchouli Oil	Nilam	*Pogostemon cablin*	Leaves and Stems	2838	8014-09-3; 84238-39-1	✓	✓	✓	✓	✓
Patchouli Oil Iron Free	Nilam	*Pogostemon cablin*	-	2838	8014-09-3; 84238-39-1		✓	✓	✓	✓
Patchouli Oil Molecular Distilled	Nilam	*Pogostemon cablin*	-	2838	8014-09-3; 84238-39-1		✓	✓	✓	✓
Clove Leaf Oil	Cengkeh	*Syzygium aromaticum*	Leaves	2325	8015-97-2; 84961-50-2	✓	✓	✓	✓	✓
Clove Leaf Rectified 85%	Cengkeh	*Syzygium aromaticum*	-	2325	8000-34-8; 84961-50-2		✓	✓	✓	✓
Citronella Oil	Sereh Wangi	*Cymbopogon Winterianus*	Leaves and Stems	2308	8000-29-1; 91771-61-8	✓	✓	✓	✓	✓
Red Ginger Oil	Jahe Merah	*Zingiber Officinale var. Rubrum*	Rhizhomes	2522	8007-08-7	✓	✓	✓	✓	✓
Nutmeg Oil	Pala	*Myristica Fragrans Houtt*	Seeds	2793	8016-96-4; 84238-29-9	✓	✓	✓	✓	✓
Vetiver Oil	Akar Wangi	*Vetiveria Zizanioides*	Roots	-	8016-96-4; 84238-29-9	✓	✓	✓	✓	✓
Cajuput Oil	Kayu Putih	*Melaleuca Cajuputi*	Leaves and Twigs	2225	8008-98-8		✓	✓	✓	✓
Sandalwood Oil	Cendana	*Santalum Album L*	HeartWoods	3005	84787-70-2; 8006-87-9		✓	✓	✓	✓
Cananga Oil	Cananga	*Cananga Odorata*	Flower Bud	2232	68606-83-7		✓	✓	✓	✓
Fresh Ginger Oil	Jahe	*Zingiber Officinale*	Rhizhomes	2522	8007-08-7; 84696-15-1			✓	✓	✓
Kaffir Lime Oil	Jeruk Purut	*Citrus Hystrix*	Kaffir Lime Peels	2838	68917-33-9			✓	✓	✓
Beta-Caryophyllene	Cengkeh	*Syzygium aromaticum*	Leaves	2325	8015-97-2; 84961-50-2			✓	✓	✓

Thank You

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