Very refreshing and aromatic, Tiare Floral Water brings all the virtues of Tiare flower for a large cosmetic use.

**Manufacturing Process**

- Tiare flowers, picked up at bud stage, are first sundried, before being distilled by steam water under atmospheric pressure, without any additive or chemical treatment.
- The resulting floral water is purified by sterilizing filtration and stabilized by addition of a preservative to guarantee its freshness.

**Properties**

1. Refreshing & Energizing
2. Decongestant
3. Soothing & Calming

**Study of the Volatil Fraction**

The study of the volatile composition of the Tiare hexand concrete, performed by a combination of fractionation methods (distillation, GC, CLB, TLC), spectroscopic analysis (GC / MS, GC / FTIR, NMR) and synthesis, has identified more than 200 constituents.


**Composition**

- Hydrosoluble volatile fractions
- Dihydroconiferyl acetate
- 2-phenylethyl benzoates
- 2-phenylethyl salicylates

**Using Recommendations**

- Face and body care products: 10 to 60%
- Lotions and tonics (tonic and make-up removing lotions, solar waters, mists...): 40 to 85%
- Perfuming floral waters: pure or associated with other floral waters.

Tiare, used in the traditional polynesian pharmacopoeia, is free from toxicity in the limits of our current knowledge and of the recommended cosmetic uses.
Tiare Floral Water

Technical Information

PSC Reference : EAUFTIA
INCI Name : Aqua, Gardenia tahitensis flower extract, Potassium sorbate.
CTFA Name : Water, Gardenia tahitensis flower extract, Potassium sorbate.

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<th>Potassium sorbate</th>
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PHYSICAL CHARACTERISTICS

- **Aspect, 25°C** : Limpid liquid
- **Colour** : Colourless to light yellow
- **Odour** : Powerful, balsamic, lightly jasmined
- **Specific gravity, 20°C** : 0.980 - 1.020
- **Refractive index, 20°C** : 1.325 - 1.350

BACTERIOLOGICAL CHARACTERISTICS

- **Aerobic bacteria** : <100 cfu/g
- **Moulds - Yeasts** : <100 cfu/g

PACKAGING

- **5 / 25 kg** : PE-HD jerrycan

STORAGE

- Store in close container.
- Store at room temperature (20 - 25°C).
- Keep away from light and humidity.
- Stability : 12 months before opening in the recommended storage conditions.

REGULATORY INFORMATION

CHEMICAL CHARACTERISTICS

- **pH** : 4 - 6
- **Preservative** : Potassium sorbate 0,3%

Date : 10/06/2015 - EAUFTIA_FT_EN_V2
**Botanical Information**

**Botanical Name:**
Gardenia tahitensis

**Family:**
Rubiaceae

**Morphological Type:**
Shrub

**Geographic Area:**
French Polynesia (South Pacific)

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**Tiare, Vahine’s beauty secret...**

«Tiare» means «flower» in Tahitian and «maohi tiara» means «tiare flower». The Tiare flower with its sweet fragrance and beautiful white star-like petals is the emblem of Tahiti and its islands. Its jasmine perfume brings exoticism, while its sweetness gives relief and delicacy.

Stitched into the hair, behind the ear, worn as necklaces or crowns, these flowers are the daily adornment of the vahines. Tiare necklaces are made to be offered in order to welcome people. It is worn on the ear following a specific area code: on the right ear, it indicates that the person is single, and on the left ear (heart side), it indicates that the heart of that person is already taken.

More than an ornamental plant, its use for many everyday aches and pains makes it a medicinal plant from generation to generation, which has many curative virtues, treatment of migraines or against inflammation when drunk as herbal tea. Finally, vahines use it to make the famous Monoi de Tahiti, and the Umuhei, love potion of the Marquesas women.

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**Pacifique Sud Products**

- **Monoi de Tahiti Tiare Milk**
- **Tiare Flower Extract**
- **Tiare Floral Water**

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**Tiare Floral Water**
The Gardenia tahitensis is a nubby shrub with brittle branches, up to 6 meters high with a trunk of 10cm in diameter, or on the opposite, can be a miniaturized in a 20cm high bonsai.

The bark is smooth and clear.

The foliage is beautiful: the leaves are opposite and obovale. On adult shrubs, they can measure up to 10-15cm long and 6-8cm wide. They are dark green colored on the side exposed to light, and light green on the other side. The leaves are shiny and smooth.

This native species flowers throughout the year, but especially from September to April. Very fragrant flowers appear alone in upper leaf axils and are of a snowy white. They consist of 5 to 8 petals fused at their bases in star and form a narrow tube that can be green or yellow. Corolla is attached to the green calyx on top of the ovary. The number of yellow stamens is always the number of petals. The flowers are always sterile.

Cultivation

The Tiare Tahiti is an endemic plant from French Polynesia, which does not produce seeds or very exceptionally and therefore depends on men to reproduce. Coral lands are its favorite place. It is planted in dark soil, and we add coral fragments to its roots to help growth.

The Tiare Tahiti flowers all year long, but mainly from September to April, giving a yield of about 2-10 flowers per day. Fresh flowers are collected in the morning from 5am at bud stage, ready to blossom. They are then wrapped in leaves carefully to retain its freshness and fragrance for several days.
OLFACTORY DESCRIPTION

The Tiare flower has a very pleasant complex spicy bouquet, mainly with honey, chocolate and cinnamon, along with green notes.

The abundance of dihydro-coniferyl alcohol esters is one of the specificities of the Tiare flower. They are the ones giving it a heavy vanilla scent with floral notes.

CHEMICAL COMPOSITION

With the study of the volatile composition of the Tiare hexanic concrete, we identified more than 200 components. The main ones are:

- **Hydrocarbons**
  - alpha and beta-pinene
  - Limonene
  - Terpinene...

- **Alcohols**
  - Borneol
  - Linalool (4,4%)
  - dihydroconiferyl alcohol (1,1%)...

- **Carbonyls**
  - Phenylacetaldehyde
  - Vanillin...

- **Phenols**
  - 2-methoxy-4-vinylphenol (0,23%)
  - Isoeugenol (0,2%)...

- **Acids**
  - Salicylic acid...

- **Esters**
  - Benzyl benzoate (6,2%)
  - Benzyl salicylate (2,55%)
  - Dihydroconiferyl acetate (12,2%)
  - Dihydroconiferyl benzoate (0,25%)
  - Dihydroconiferyl salicylate (0,1%)
  - Ethyl hexanoate (0,55%)
  - Geranyl benzoate (2,1%)
  - (Z)-3-hexenyl benzoate (2,2%)
  - (Z)-3-hexenyl salicylate (0,73%)
  - Hexyl benzoate (0,5%)
  - Methyl salicylate (2,5%)
  - 2-phenylethyl benzoate (6,26%)
  - 2-phenylethyl salicylate (2,2%)...

- **Lactones**
  - gamma-decalactone
  - jasmolactone
  - Scopoletine...

- **Nitrogen derivates**
  - Phenylacetonitrile (0,3%)
  - Phenylacetaldoxime (1,37%)
  - 2-phenylnitroethane (0,89%)...

- **Flavonoids**
  - 6-methoxy-3-O-methylkaemferol...

To be noted that despite its complexity, the Tiare flower has no toxicity.
Ornament:
Tiare flowers are traditionally stitched into the hair, behind the ear or worn as necklaces or crowns.

Traditional use:
- Tiare flower treats everyday aches and pains, used in infusions, decoctions, maceration, or to soothe insect bites and headaches.
- It is a fundamental ingredient of Monoi de Tahiti, known for its moisturizing and softening properties.
- Tiare flowers are also used in the «Ra’au ira» bath, in which we add the Tiare flowers to heal small wounds of the skin and protect from the cold (traditional Tahitian remedy).

Cosmetic use:
Tiare flowers have antiseptic properties due to the richness of essential oils, as well as calming and purifying properties due to salicylic acid and derivatives salicylates. It is particularly used in sensitive skin care products, and in Monoi de Tahiti, which is suitable for all types of cosmetic formulations. Finally, the Tiare flower exhalas a seductive fragrance that is a highly refined source of inspiration for perfumers.