



Phytamis[®]

100% Natural and Preservative-free
Cosmetic Plant Extracts



Phytamis®



Phytamis® are actives that suit all categories of cosmetic products, even the most demanding in terms of natural claims and efficiency.

This range has been developed according to the A.M.I. philosophy of natural cosmetics: it takes into account the use of renewable and biodegradable resources, well mastered manufacturing methods, and the good tolerance and efficiency of the products.

A Natural Carrier and No Preservatives

Phytamis® are an answer to the growing suspicion of customers towards synthetic products in general and preservatives in particular.

The carrier selected for these extracts is natural: plant origin glycerin. It also ensures a good microbiological stability.

Phytamis® are thus 100% natural.

An Optimised Manufacturing Process to Obtain Standardised Extracts

For more efficiency, the extraction process begins with the maceration of plants in water or in a water-alcohol blend. The extracts are then concentrated in order to eliminate the solvents, dried and placed in plant origin glycerin.

When possible, the extracts are dried by zeodration. This high-technology technique protects the structure of the active molecules.

All the manufacturing steps thus aim at getting the highest concentration in active principles and enable the standardisation of Phytamis® in most cases.

A Wide Choice

Should you look for a flower from temperate climates, a tropical fruit, a great cosmetic classic, you will find it in the list of our Phytamis®. It is regularly extended. Just ask us!

Zeodration

is a drying technique particularly adapted to plant extracts. Dehydration is made under vacuum by adsorption of water on zeolites (a kind of very porous clay with high water adsorption capacity) at low temperature which preserves the structure of the active molecules. This process is ecologically clean and respects the Environment Policy of the Alban Muller Group.





Cosmetic Use

Technical Information

Solubility in water Slightly soluble to soluble
Water content < 5%

Formulation

Phytamis® should be incorporated cold (between 30 and 40°C) directly in oil-in-water emulsions, at the end of the formulation process.

Phytamis® are compatible with:

- a high number of preservatives;
- all kinds of emulsifiers;
- all kinds of fragrances.

Usage Level

2 - 10%





Indicative Formula

Serum for the Eye Contour with Phytamis®

Formula #019-G04-AA05

Phases	Ingredients	INCI Names	%
A	Water	Water	71.000
	Humectant	PEG-8	3.000
	Emollient	Dimethicone	2.000
	Witch Hazel Distilled Water	Hamamelis Virginiana (Wich Hazel) Water	20.000
B	Thickener	Carbomer	0.800
C	Preservatives		0.500
	Phytami® Iris Rhizome	Glycerin, Water, Iris Florentina Root Extract	1.000
	Phytami® Jasmine Flower	Glycerin, Water, Jasminum Officinale (Jasmine) Flower Extract	1.000
	Fragrance		0.050
	Colouring additive		0.100
D	pH adjuster	Sodium Hydroxide	0.550
TOTAL			100.000

Operating Method

- Heat phase A to 40°C.
- Add phase B in phase A progressively.
- Then add phases C and D.

This formula is stable 3 months, at room temperature, 45°C and 50°C.



Indicative Formula

Make-up Removal Lotion with Phytamis®

Formula #019-LOT01-AA04

Phases	Ingredients	INCI Names	%
A	Water	Water	27.500
	Humectant	PEG-8	5.000
	Cornflower Distilled Water	Centaurea Cyanus Flower Water	40.000
	Lavender Aromatic Water	Water, Lavandula Angustifolia (Lavender) Oil	20.000
B	Solubiliser	Polysorbate-20	4.000
	Phytami® Pineapple Fruit	Glycerin, Water, Ananas Sativus (Pineapple) Fruit Extract	1.000
	Phytami® Iris Rhizome	Glycerin, Water, Iris Florentina Root Extract	1.000
	Phytami® Mandarin Fruit	Glycerin, Water, Citrus Nobilis (Mandarin Orange) Fruit Extract	1.000
	Preservatives		0.500
TOTAL			100.000

Operating Method

- Homogenise phase A at low temperature.
- Add the ingredients of phase B one by one until the lotion is homogenous and transparent.

This formula is stable 3 months, at room temperature, 45°C and 50°C.

Plant

Latin Name

Part of the Plant

Tracer

Main Cosmetic Activities

Phytamis® INCI Name (CTFA)

Aloe ferox	<i>Aloe Ferox</i> Miller	Sap	Anthracenic derivatives expressed as barbaloin	Sun protective	Glycerin, Water, Aloe Ferox Leaf Extract
Apricot tree	<i>Prunus armeniaca</i> L.	Fruit	Tartaric acid	Softening, toning	Glycerin, Water, Prunus Armeniaca (Apricot) Fruit Extract
Atlas Cedar	<i>Cedrus atlantica</i> (Endl.) Manetti ex Carrière	Bark	Catechuic derivatives expressed as catechin	Astringent, regenerating	Glycerin, Water, Cedrus Atlantica Bark Extract
Black Locust tree (false Acacia)	<i>Robinia pseudoacacia</i> L.	Flower	Flavonoids expressed as robinin	Emollient, antioxidant	Glycerin, Water, Robinia Pseudoacacia Flower Extract
Bladderwrack	<i>Fucus vesiculosus</i> L.	Thallus	Alginates	Remineralising, slimming	Glycerin, Water, Fucus Vesiculosus Extract
Centella	<i>Centella asiatica</i> (L.) Urb.	Aerial part	Asiaticoside	Softening, regenerating	Glycerin, Water, Centella Asiatica Extract
Chestnut tree	<i>Castanea sativa</i> P. Mill.	Fruit	Carbohydrates	Nourishing, toning	Glycerin, Water, Castanea Sativa (Chestnut) Seed Extract
Chestnut tree	<i>Castanea sativa</i> P. Mill.	Pericarp	Tannins	Astringent, softening	Glycerin, Water, Castanea Sativa (Chestnut) Shell Extract
Chicory	<i>Cichorium intybus</i> L.	Root	/	Purifying, refreshing	Glycerin, Water, Cichorium Intybus (Chicory) Root Extract
Cinnamon tree	<i>Cinnamomum verum</i> J.S. Presl., syn. <i>Cinnamomum zeylanicum</i> Blume	Stem bark	Catechins	Anti-blotches, purifying	Glycerin, Water, Cinnamomum Zeylanicum Bark Extract
Condurango	<i>Marsdenia cundurango</i> Rchb. f.	Stem bark	Phenolic compounds expressed as chlorogenic acid	Softening, toning	Glycerin, Water, Marsdenia Condurango Bark Extract
Corn	<i>Zea mays</i> L.	Style	Potassium	Purifying, remineralising	Glycerin, Water, Zea Mays (Corn) Silk Extract
Corn Poppy	<i>Papaver rhoeas</i> L.	Flower	Anthocyanins expressed as cyanidin chloride	Anti-blotches, softening	Glycerin, Water, Papaver Rhoeas Petal Extract
Cotton bush	<i>Gossypium herbaceum</i> L.	Seed	Citric acid	Moisturising, soothing	Glycerin, Water, Gossypium Herbaceum (Cotton) Seed Extract
Cucumber	<i>Cucumis sativus</i> L.	Fruit	/	Refreshing, softening	Glycerin, Water, Cucumis Sativus (Cucumber) Fruit Extract



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Devil's Apron	<i>Saccharina latissima</i> (L.) C.E. Lane, C. Mayes, Dreuhl & G.W. Saunders syn. <i>Laminaria Saccharina</i> (L.) J.V. Lamouroux	Thallus /	/	Toning, slimming	Glycerin, Water, Laminaria Saccharina Extract
Devil's Claw	<i>Harpagophytum procumbens</i> (Burch) DC. ex Meisn	Tuber	Harpagoside	Softening, moisturising	Glycerin, Water, Harpagophytum Procumbens Root Extract
Dulse	<i>Palmaria palmata</i> (L.) Kuntze	Thallus /	/	Restructuring, anti-ageing	Glycerin, Water, Palmaria Palmata Extract
Eucalyptus	<i>Eucalyptus globulus</i> Labill.	Leaf	Flavonoids expressed as rutin	Astringent, regenerating	Glycerin, Water, Eucalyptus Globulus Leaf Extract
Fig tree	<i>Ficus carica</i> L.	Pseudofruit	Citric acid	Exfoliating, moisturising	Glycerin, Water, Ficus Carica (Fig) Fruit Extract
Flax	<i>Linum usitatissimum</i> L.	Seed	Carbohydrates	Moisturising, restructuring	Glycerin, Water, Linum Usitatissimum (Linseed) Seed Extract
German Chamomile	<i>Matricaria recutita</i> L., syn. <i>Chamomilla recutita</i> (L.) Rauschert	Flower	Flavonoids expressed as apigenin-7-glucoside	Moisturising, anti-blotches	Glycerin, Water, Chamomilla Recutita (Matricaria) Flower Extract
Great Burdock	<i>Arctium lappa</i> L.	Root	Phenolic acids expressed as chlorogenic acid	Astringent, purifying	Glycerin, Water, Arctium Lappa Root Extract
Green Coffee	<i>Coffea arabica</i> L.	Seed	Caffein	Slimming, anti-ageing	Glycerin, Water, Coffea Arabica (Coffee) Seed Extract
Green Maté	<i>Ilex paraguayensis</i> A. St.-Hil.	Leaf	Caffein and total polyphenols	Slimming, antioxidant	Glycerin, Water, Ilex Paraguariensis Leaf Extract
Guava tree	<i>Psidium guajava</i> L.	Fruit /	/	Toning, astringent	Glycerin, Water, Psidium Guajava Fruit Extract
Hibiscus / Red Sorrel	<i>Hibiscus sabdariffa</i> L.	Flower	Anthocyanins expressed as cyanidin chloride	Refreshing, purifying	Glycerin, Water, Hibiscus Sabdariffa Flower Extract
Himanthalia	<i>Himanthalia elongata</i> L. S.F. Gray	Thallus /	/	Moisturising, remineralising	Glycerin, Water, Himanthalia Elongata Extract





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Hops	<i>Humulus lupulus</i> L.	Female inflorescence	Phenolic compounds expressed as isoquercitrin	Moisturising, softening	Glycerin, Water, Humulus Lupulus (Hops) Extract
Horse Chestnut tree	<i>Aesculus hippocastanum</i> L.	Seed	Aescin	Anti-blotches, purifying	Glycerin, Water, Aesculus Hippocastanum (Horse Chestnut) Seed Extract
Horse Chestnut tree	<i>Aesculus hippocastanum</i> L.	Stem bark	Esculin	Anti-blotches, softening	Glycerin, Water, Aesculus Hippocastanum (Horse Chestnut) Bark Extract
Horsetail	<i>Equisetum arvense</i> L.	Sterile aerial part	Phenolic compounds expressed as isoquercitrin	Seboregulating, stimulating	Glycerin, Water, Equisetum Arvense Extract
Indian Plantain	<i>Plantago ovata</i> Forsk.	Seed	Mucilages	Moisturising, softening	Glycerin, Water, Plantago Ovata Seed Extract
Iris	<i>Iris germanica</i> var. <i>florentina</i> (L.) Dykes, syn. <i>Iris florentina</i> L.	Rhizome	Isoflavone glycosides expressed as genistin	Astringent, regenerating	Glycerin, Water, Iris Florentina Root Extract
Jasmine	<i>Jasminum officinale</i> L.	Flower	Flavonoids expressed as rutin	Regenerating, purifying	Glycerin, Water, Jasminum Officinale (Jasmine) Flower Extract
Joboba	<i>Simmondsia chinensis</i> (Link.) Schneid.	Leaf	Phenolic compounds expressed as narcissin	Emollient, moisturising	Glycerin, Water, Simmondsia Chinensis (Jojoba) Leaf Extract
Kidney Bean	<i>Phaseolus vulgaris</i> L.	Pod	/	Moisturising, restructuring	Glycerin, Water, Phaseolus vulgaris (Kidney Bean) Seed Extract
Kiwi tree	<i>Actinidia chinensis</i> Planchon	Fruit	/	Antioxidant, moisturising	Glycerin, Water, Actinidia Chinensis (Kiwi) Fruit Extract
Lavender	<i>Lavandula angustifolia</i> Mill.	Flower	Phenolic compounds expressed as luteolin-7-glucoside	Softening, regenerating	Glycerin, Water, Lavandula Angustifolia (Lavender) Flower Extract
Mallow	<i>Malva silvestris</i> L.	Flower	Phenolic compounds expressed as caffeic acid	Softening, refreshing	Glycerin, Water, Malva Sylvestris (Mallow) Flower Extract
Mandarin tree	<i>Citrus reticulata</i> Blanco syn. <i>Citrus nobilis</i> Lour.	Fruit	Malic acid	Purifying, toning	Glycerin, Water, Citrus Nobilis (Mandarin Orange) Fruit Extract
Marsh Mallow	<i>Althaea officinalis</i> L.	Root	Mucilages	Soothing, moisturising	Glycerin, Water, Althaea Officinalis Root Extract

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Meadowsweet	<i>Filipendula ulmaria</i> (L.) Maxim., syn. <i>Spiraea ulmaria</i> L.	Flowering top	Phenolic compounds expressed as rutin	Soothing, exfoliating	Glycerin, Water, Spiraea Ulmaria Flower Extract
Mountain Arnica	<i>Arnica montana</i> L.	Flower	Phenolic compounds expressed as hyperoside	Anti-blotches, softening	Glycerin, Water, Arnica Montana Flower Extract
Noni tree	<i>Morinda citrifolia</i> L.	Fruit	/	Emollient, purifying	Glycerin, Water, Morinda Citrifolia Fruit Extract
Oat	<i>Avena sativa</i> L.	Fruit	Carbohydrates	Soothing, regenerating	Glycerin, Water, Avena Sativa (Oat) Kernel Extract
Papaya tree	<i>Carica papaya</i> L.	Fruit	Citric acid	Regenerating, softening	Glycerin, Water, Carica Papaya (Papaya) Fruit Extract
Passion flower	<i>Passiflora incarnata</i> L.	Aerial part	Flavonoids expressed as vitexin	Antioxidant, anti-ageing	Glycerin, Water, Passiflora Incarnata Flower Extract
Peach tree	<i>Prunus persica</i> (L.) Batsch	Fruit	Citric acid	Softening, toning	Glycerin, Water, Prunus Persica (Peach) Fruit Extract
Pelvetia	<i>Pelvetia canaliculata</i> L. Decaisne & Thuret	Thallus	/	Moisturising, softening	Glycerin, Water, Pelvetia Canaliculata Extract
Peppermint	<i>Mentha x piperita</i> L.	Leaf	Phenolic compounds expressed as rutin	Astringent, refreshing	Glycerin, Water, Mentha Piperita (Peppermint) Leaf Extract
Pineapple	<i>Ananas comosus</i> (L.) Merr., syn. <i>Ananas sativus</i> Schult. & Schult.f.	Pseudofruit	Malic acid	Purifying, exfoliating	Glycerin, Water, Ananas Sativus (Pineapple) Fruit Extract
Porphyra	<i>Porphyra umbilicalis</i> L.	Thallus	/	Slimming, moisturising	Glycerin, Water, Porphyra Umbilicalis Extract
Pot marigold	<i>Calendula officinalis</i> L.	Flower	Flavonoides expressed as nardicissin	Softening, moisturising	Glycerin, Water, Calendula Officinalis Flower Extract
Red Clover	<i>Trifolium pratense</i> L.	Flowering aerial part	Total flavonoids expressed as quercetin	Anti-ageing, softening	Glycerin, Water, Trifolium Pratense (Clover) Flower Extract
Red Ginseng	<i>Panax ginseng</i> C. A. Mey.	Root	Ginsenosides	Regenerating, toning	Glycerin, Water, Panax Ginseng Root Extract
Redbark tree	<i>Cinchona pubescens</i> Valh syn. <i>Cinchona succirubra</i> Pav. ex Klotzsch	Bark	/	Astringent, sebo-regulating	Glycerin, Water, Cinchona Succirubra Bark Extract



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Roman Chamomile	<i>Chamaemelum nobile</i> (L.) All. syn. <i>Anthemis nobilis</i> L.	Flower	Phenolic compounds expressed as chlorogenic acid	Moisturising, anti-blotches	Glycerin, Water, Anthemis Nobilis Flower Extract
Sage	<i>Salvia officinalis</i> L.	Leaf	Rosmarinic acid	Softening, toning	Glycerin, Water, Salvia Officinalis (Sage) Leaf Extract
Saint John's Wort	<i>Hypericum perforatum</i> L.	Flowering top	Flavonoids expressed as hyperoside	Anti-blotches, astringent	Glycerin, Water, Hypericum Perforatum Flower/Leaf/Stem Extract
Sea Fennel	<i>Crithmum maritimum</i> L.	Aerial part	Phenolic acids expressed as chlorogenic acid	Remineralising, restructuring	Glycerin, Water, Crithmum Maritimum Extract
Shea tree	<i>Vitellaria paradoxa</i> Gaertn., syn. <i>Butyrospermum parkii</i> (G. Don) Kotschy	Seed	/	Moisturising, nourishing	Glycerin, Water, Butyrospermum Parkii (Shea Butter) Extract
Soapwort	<i>Saponaria officinalis</i> L.	Underground part	Saponosides	Toning, purifying	Glycerin, Water, Saponaria Officinalis Leaf/Root Extract
Sunflower	<i>Helianthus annuus</i> L.	Seed	Phenolic compounds expressed as chlorogenic acid	Antioxidant, anti-ageing	Glycerin, Water, Helianthus Annuus (Sunflower) Seed Extract
Sweet Orange tree	<i>Citrus sinensis</i> (L.) Osbeck, syn. <i>Citrus aurantium</i> var. <i>sinensis</i> L.	Peel fruit	Naringin	Anti-blotches, soothing	Glycerin, Water, Citrus Aurantium Dulcis (Orange) Peel Extract
Tea (black)	<i>Camellia sinensis</i> (L.) Kuntze	Leaf	Caffein and total polyphenols	Antioxidant, toning	Glycerin, Water, Camellia Sinensis Leaf Extract
Tea (green)	<i>Camellia sinensis</i> (L.) Kuntze	Leaf	Caffein	Antioxidant, slimming	Glycerin, Water, Camellia Sinensis Leaf Extract
Tea (white)	<i>Camellia sinensis</i> (L.) Kuntze	Leaf	Caffein	Antioxidant, astringent	Glycerin, Water, Camellia Sinensis Leaf Extract
Vine	<i>Vitis vinifera</i> L.	Fruit (Red grape)	Citric acid	Moisturising, exfoliating	Glycerin, Water, Vitis Vinifera (Grape) Fruit Extract
Vine (red)	<i>Vitis vinifera</i> L.	Leaf	Flavonoids expressed as rutin	Anti-ageing, anti-blotches	Glycerin, Water, Vitis Vinifera (Grape) Leaf Extract





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Wheat	<i>Triticum aestivum</i> L., syn. <i>Triticum vulgare</i> Vill.	Germ	Carbohydrates	Nourishing, anti-ageing	Glycerin, Water, Triticum Vulgare (Wheat) Germ Extract
White Water Lily	<i>Nymphaea alba</i> L.	Flower	Flavonoids expressed as rutin	Emollient, soothing	Glycerin, Water, Nymphaea Alba Flower Extract
Witch Hazel	<i>Hamamelis virginiana</i> L.	Leaf	Tannins expressed as hamamelitannin	Softening, regenerating	Glycerin, Water, Hamamelis Virginiana (Witch Hazel) Leaf Extract
Honey	/	/	Carbohydrates	Softening, nourishing	Glycerin, Water, Honey Extract
Pollen	/	/	Carbohydrates	Nourishing, regenerating	Glycerin, Water, Pollen Extract



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