



Herbaspheres™

Natural Herbamilk®

Description

Herbaspheres™ is the natural extension of our Herbamilk® product line. Based on an innovative, preservative-free (self-preserving) formulation, Herbaspheres™ comprises a new generation of cosmetic milks with 100% natural ingredients.

Applications

Herbaspheres™ leads to an enhanced skin feel and can be used in skin care and surfactant-based products. With its moisturizing, refatting and emollient properties, Herbaspheres™ can be used in:

- Hair Products, e.g. shampoos or conditioners
- Soap and Bath Products, e.g. liquid soaps or shower products
- Skin Care Products, e.g. body and face care or eye cleansers

Composition

The unique formulation of Herbaspheres™ is based on a natural o/w emulsion, incorporating 100% natural plant oils and herbal extracts. In analogy to mammalian milk, Herbaspheres™ is composed of oil droplets in a hydrophilic matrix, stabilized by lecithin (Figure 1). This allows both hydrosoluble and liposoluble ingredients to be incorporated at the same time.

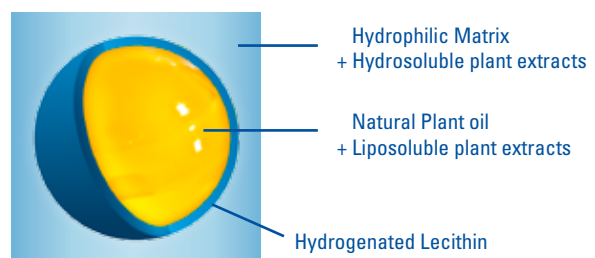


Figure 1. General Composition of Herbaspheres™



Herbaspheres™ represents a concentrated, translucent liquid which can directly be incorporated into any cosmetic formulation. Alternatively, Herbaspheres™ can easily be dispersed in water, leading to the typical appearance of a Herbamilk® (Figure 2).

Figure 2. Herbaspheres™ dispersed in water leads to the typical appearance of a Herbamilk®.

Herbaspheres™

Lipoid Kosmetik AG introduces three new natural plant milks:

- **Almond Oil Herbaspheres™ (Art. No. 401038.496.2)**

Natural cosmetic milk concentrate based on almond oil.

The almond tree (*Prunus dulcis*) is native to western asia and is now extensively cultivated in the Mediterranean countries and in California. The fruit of the almond tree is a drupe, consisting of an outer hull and a hard shell with a seed, the almond. Sweet almond oil (*Prunus amygdalus dulcis* oil) is cold pressed from the sweet almond species and has emollient, smoothing, moisturizing and anti-irritant properties.

INCI (EU): Glycerin, Aqua, Prunus Amygdalus Dulcis Oil, Hydrogenated Lecithin, Citric Acid

INCI (US): Glycerin, Water, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Lecithin, Citric Acid



- **Orchid / Almond Oil Herbaspheres™ (Art. No. 401037.496.2)**

Natural cosmetic milk concentrate based on almond oil and Vanilla planifolia fruit extract.

The vanilla (*Vanilla planifolia*), a member of a genus of climbing orchids, is an epiphyte and obtains its moisture and nutrients from the air and rain while anchored to another plant. The pods are without odour or flavour until they are cured. Natural vanilla extract is a mixture of several hundred different compounds and flavours.

INCI (EU): Glycerin, Aqua, Prunus Amygdalus Dulcis Oil, Hydrogenated Lecithin, Vanilla Planifolia Fruit Extract, Citric Acid

INCI (US): Glycerin, Water, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Lecithin, Vanilla Planifolia Fruit Extract, Citric Acid



- **Sheabutter / Almond Oil Herbaspheres™ (Art. No. 401035.496.2)**

Natural cosmetic milk concentrate with almond oil and sheabutter.

The shea tree (*Butyrospermum parkii*; *Vitellaria paradoxa*) is common in the savanna areas of the African continent and grows up to 14 metres high. The yellow fruits contain one or more oil-rich seeds (shea nuts) from which shea butter is extracted. The chemical constituents of shea butter are reported to have anti-inflammatory, emollient and humectant properties.

INCI (EU): Glycerin, Aqua, Prunus Amygdalus Dulcis Oil, Butyrospermum Parkii Butter, Hydrogenated Lecithin, Citric Acid

INCI (US): Glycerin, Water, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Butyrospermum Parkii (Shea) Butter, Hydrogenated Lecithin, Citric Acid



- **Customized Milks on Request**

Recommended pH-range & Use Levels

- Recommended pH-range: 5-7
- Recommended use level: 1-10%

Frame Formulations

• Body Lotion with Orchid / Almond Oil Herbaspheres™

Phase	Ingredient	INCI	Supplier	%
A	Water	Water		63.65
	Citric Acid 50%	Water, Citric Acid		0.35
	Lipoid P 75-3	Hydrogenated Lecithin	Lipoid Kosmetik	1.00
	Keltrol CG SFT	Xanthan Gum	CP Kelco	0.60
B	Eumulgin SG	Sodium Stearoyl Glutamate	BASF	1.30
	Tego Alkanol 6855	Cetearyl Alcohol	Evonik	2.50
	Cetiol RLF	Caprylyl Caprylate / Caprate	BASF	8.00
	Cetiol C5	Coco-Caprylate	BASF	5.00
	Grape Seed Oil	Vitis Vinifera (Grape) Seed Oil	Lipoid Kosmetik	5.00
	Sheabutter	Butyrospermum Parkii (Shea) Butter	Sophim	8.00
	Preservative			q.s.
C	Parfum	Fragrance		0.60
	Orchid / Almond Oil Herbaspheres™	Glycerin, Water, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Hydrogenated Lecithin, Vanilla Planifolia Fruit Extract, Citric Acid	Lipoid Kosmetik	4.00

• Shower Gel with Sheabutter / Almond Oil Herbaspheres™

Phase	Ingredient	INCI	Supplier	%
A	Water	Water		32.40
	Citric Acid 50%	Water, Citric Acid		0.10
	Zetesol NL-2U	Sodium Laureth Sulfate	Zschimmer & Schwarz	30.00
	Amphotensid B4F	Cocamidopropyl Betaine	Zschimmer & Schwarz	25.00
	Avocado Oil W	PEG-11 Avocado Glycerides	Lipoid Kosmetik	3.00
	Purton SFD	Soyamide DEA	Zschimmer & Schwarz	3.00
	Parfum	Fragrance		1.00
	Preservative			q.s.
	Pearlagent GM 4175	Sodium Laureth Sulfate, Cocamide DEA, Cocamide MEA, Glycol Stearate, Propylene Glycol	Zschimmer & Schwarz	3.50
	Sheabutter / Almond Oil Herbaspheres™	Glycerin, Water, Prunus Amygdalus Dulcis (Sweet Almond) Oil, Butyrospermum Parkii (Shea) Butter, Hydrogenated Lecithin, Citric Acid	Lipoid Kosmetik	2.00

Description

- Natural, plant derived, GMO-free
- Preservative-free (self preserving)
- Ecocert- & COSMOS-conform
- Combination of hydrophilic and lipophilic ingredients in form of an o/w-emulsion
- Appearance: slightly opaque (translucent), yellowish-brownish, slightly viscous liquid
- Long stability (minimum 12 months if stored refrigerated)
- Easy handling & formulation

Safety & Regulatory

Safety in Use:

We affirm to the best of our knowledge the compatibility and non-toxicity of these products. They are safe for use at normal levels in skin and hair cosmetics. Nevertheless, this statement does not release the producer of the finished cosmetic product from the responsibility of conducting any tests required by local legislation. If applicable, please consult our list of allergens for the product (list according to EU Cosmetic Regulation).

REACH:

Compliant with the REACH regulation (EC) N° 1907/2006 and its amendments.

Ecocert- & COSMOS-Conformity:

Compliant with the Ecocert & COSMOS standard.

Storage & Shelf Life

- Store refrigerated at 2-8 °C.
- Maximum storage time (shelf life): 12 months when kept in originally sealed containers. Once the container is opened, the product has to be handled with care to avoid microbial contamination.

Disclaimer: Please be aware that the listed properties (medicinal or otherwise) that have been sourced from literature should be understood as value-added information only. No proof of statements by testing or otherwise will be provided by Lipoid Kosmetik AG (this excludes test data generated by Lipoid Kosmetik AG in support of our specific actives range). Other product properties identified and highlighted by specific tests or studies are to be interpreted in the context of the test/study conditions only. Please be aware that the use of any claim on cosmetic products is the sole responsibility of the customer and is regulated by your local Regulatory Body.