



BOTANY NEWS

LATEST NEWS FROM BURGUNDY

April means the beginning of the spring, and also the in-Cosmetics fair.

On this year, this leading exhibition for personal care ingredients, takes place from 13-15 April 2010 in Paris, Porte de Versailles, Hall 7.3.

Meet our products on our booth B50.

April 2010 — 2



In April, 2010, in - cosmetics is going to celebrate its 20th birthday and second year when Burgundy is present on the show. At the moment, the show became the first platform of international matches of the cosmetic innovation and the first marketplace for ingredients and formulation. An opportunity for Burgundy to show its creativity on a more and more competitive market. This year, Burgundy wants to show its biodiversity and its know-how at the level of its plant extracts acquired because of its experience and of its expertise in the field of the cosmetic ingredients. Furthermore, the show is going to allow Burgundy to meet its various partners and customers being worldwide to maintain a pleasant and constructive dialogue.

The show will also be the opportunity to introduce DermoSorrel™, selected actives from *Hibiscus sabdariffa* especially designed for its anti-acne activity, maintaining skin tone and elasticity. The study is being conducted to offer you your new key product.

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What's New

- Burgundy will attend Vitafoods, both 600
- Two Innovative concepts are under trials, one will be launched at in-Incosmetic Paris

The Grass of the Tiger - *Centella* Madecassoside and other fractions !

Dubbed "the grass of the tiger" because the deer wounded rolled in to nurse their wounds, she enjoys an outstanding reputation in India

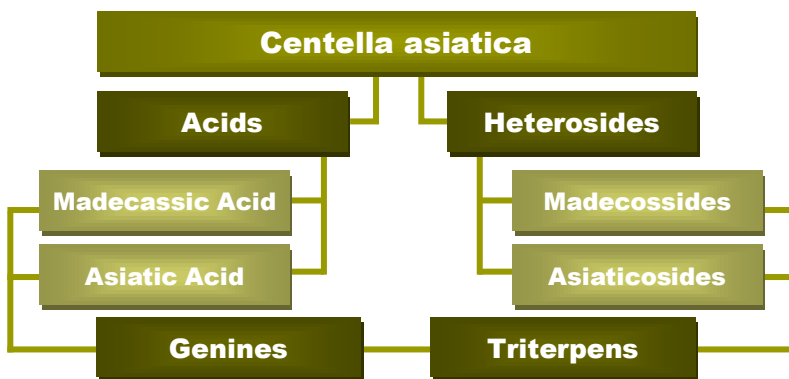
Originally from Southeast Asia, the *Centella Asiatica* (or hydrocotyle Asia) is an umbelliferous who appreciates the marshy ground. It is also found in Asia, Madagascar and South Africa.



Cultivated for its medicinal use, it is harvested all year. The leaves are arranged in rosettes by 4 or 5 along a stem rampant. The inconspicuous flowers, green red, appear in the axils of flowers.

The plant owes its reputation millennium to its action on the nervous system and tissue regeneration. In Ayurveda (India), *Centella asiatica* is used for all skin conditions (even leprosy), wound healing, hair problems, epilepsy, and memory lapses. A proverb Sri Lanka says that "two leaves of Gotu kola a day are fleeing the old" probably because the plant is also highly appreciated by the elephants tend to live very old.

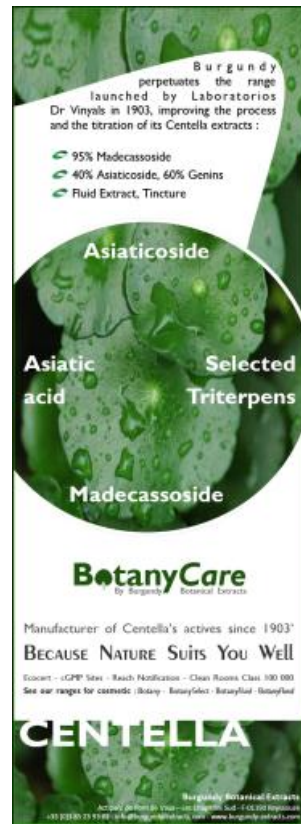
The search is activated ...



in our range

Besides the Botany Centella (10% Asiaticoside and Madecassosides), Burgundy offers selected fractions through dedicated process and purification.

- BotanySelect Centella : 40% [Asiaticoside], 60% [Asiatic acid and Madecassoside]
- BotanySelect Madecassoside 95%
- Botany Centella : 10% [Asiaticoside and Madecassosides]
- BotanyFluid Centella : Fluid extracts
- Tinctures



The Madecassoside

By 1938, P. Boiteau used at the settlement of Manankavaly Madagascar. He discovers soothing and healing properties that will study with Professor Ratsimamanga. The properties of acids and Asian madecassic, then the asiaticoside are established. The TECA (mixture of these 3 molecules, as our BotanySelect is) was marketed in 1959 as "major healing". In 1973 a new sample, the Madecassoside is discovered. It was not until 2003 that the Madecassoside is first isolated and purified to more than 95% by advanced techniques of separation and purification by chromatography. This extreme degree of purification provides a ratio tolerance-optimal efficiency.

Molecule/Activity	Anti-ageing	Anti-wrinkle	Soothing	Dermal restructuring	Anti-oxydant
Madecassoside	●	●	●	●	
TECA	●			●	●

Chamomile : don't forget its properties

The Chamomile, one of the most popular healing plants of the history, is an effective traditional remedy. The Egyptians knew its efficiency against the fevers. The Greeks also used it against the aches or the feminine disorders. It is native of the oriental Mediterranean Sea, but we find it today all over the world. The Roman, most used Chamomile, is a long-lived herbaceous plant of the family of Asteraceae. The Chamomile is spread in the moderate regions of Western Europe. It likes in grounds dry, sandy and rich in silica. In France, it is in Anjou where it is most cultivated. In beauty care, it is always present in

lotions, creams, shampoos thanks to its active principles with its polyphenolic actives (acid phenols, flavonoïdes, procyanidols, coumarins); and its essential oil, with the sesquiterpens and bitter flavor. With our large range of extracts (Powder, Hydroglycolic, Butylen glycol...) we support all the request you need for our development or productions, fluid or powder.



Burgundy and the irresistible rise of organic products

The concept: gather the well-being and beauty, tradition and technology, all with a requirement in the choice of substances. In addition to being natural, care from organic cosmetics are only using components from organic farming. The market for natural cosmetics is growing by nearly 40% per year, driven by the fear induced by certain chemical ingredients present in cosmetics and con-



sumer craze for natural products. It is still only a small part which is between 3 and 4% of total cosmetics sales in 2008 but has potential for high growth through the increased supply; recruiting new consumers to the rise of GSM networks and selective distribution, marketing investment made by the brands that believe in this market ...

To benefit from the dynamism of

this market and gain recognition in the context of increasingly competitive, Burgundy faces several challenges in positioning itself as a legitimate player in the natural cosmetics. Today, Burgundy shown through such an offer labeled and certified by a recognized organization (Clean Room Class 100 000 - Reach notification - cGMP Sites - Ecocert), launching a line of organic cosmetics ingredients in addition to their natural products in developing innovative formulations for its R & D, etc ...



Your New (coming) Innovative Concept : DermoSorrel™

Burgundy has launched the range "Innovative concepts" as the main axis of development. Accordingly, 80% of R&D internal resources have been dedicated to this goal, supported by external experts, universities and specialized centers.

Hibiscus is a genus of flowering plants in the family, Malvaceae and commonly known as hibiscus or sorrel or less widely as rosemallow or flor de Jamaica. The generic name is derived from the Greek word *ηιβισκος* (hibiskos), which was the name Pedanius Dioscorides (ca. 40-90) gave to *Althaea officinalis*. The main components of Hibiscus are anthocyanins, organic acids and carbohydrates. Our study is demonstrating an anti-acne activity, maintaining skin tone and elasticity.



Elixir of youth Resveratrol

If the ageing of the skin cannot be totally stopped in the course of the age, it is possible to slow down it by improving the defenses of the skin and by facilitating its regeneration, but the question is : How to answer this problem and by which means?



During these last years, a major discovery made its appearance, Resveratrol, mainly extracted from the stalk of grape. The interest for Resveratrol was boosted in 2003

with a study which showed that this molecule activates a gene of longevity of the human cells. This organic molecule is able to act the level of the dermis, and slow down the ageing of cells. It prevents their oxidation, responsible for the ageing of the skin which causes as time goes by wrinkles and loss of density of the skin. Today, Burgundy advances the benefits of the grape and integrated it into their range of extracts for cosmetics. A firmer skin, wrinkles and fine wrinkles become blurred, the cellular renewal improves, such are the effects of Resveratrol.

Burgundy extracts Resveratrol from grapes, providing up to 30% total resveratrol (ie. stilbens) and till 15% trans resveratrol always with the specific profile from grapes.

Being a leader on Licorice

Licorice in need of all Glycyrrhizic acid, also known as glycyrrhizin, the molecule is characteristic and the major component of licorice. Well known for its sweetness 30 times to 50 times that of sugar, it is also behind the pleasant taste characteristic of licorice stick. Therefore, its use is very popular for the preparation of toothpaste. Recent studies also confirm that glycyrrhizin acid, 18-beta-glycyrrheticin and liquiritigenin contained in licorice root, have a potent anti-inflammatory and ant allergic, and would therefore potentially soothing in some cases of skin allergies .

A macerate hydroglycerin licorice powder will be the ideal asset to soothe irritated or sensitive.

Licorice also contains numerous flavonoids known for their antioxidant activity and their ability to trap free radicals and fight against lipid peroxidation, which is very interesting in the context of anti-aging and soothing.

The glabren and isoliquiritigenin have an inhibitory activity of tyrosinase, enzymes involved in biosynthesis of melanin, which places the rule as a preferred ingredient in the product development lightening.

Native to Europe and Central Asia, the Licorice is a plant of up to 1.50m tall, with long roots. It produces purple flowers in summer and elongated fruits. We harvest the root for 3,000 years for its virtues antim-

icrobial and anti-inflammatory, particularly in Asia and Egypt. Hippocrates used it to treat coughs, asthma or other respiratory illness. The licorice is also recommended to lower fever, against ulcers, and digestive disorders.

- BotanySelect GLA18 & GLAP18 (18 β)
- BotanySelect Glabridin
- BotanySelect GLA (Monoammonium Glycyrrhizinate)

... in addition to our other actives such as Enoxolone and Carbenoxolone.

Cosmetic Efficacy

In addition to its anti-inflammatory and anti-septic, liquorice extract acts at two levels:

- It inhibits tyrosinase, biological process responsible for the disruption of the melanocytes, cells responsible for skin pigmentation, and thus the appearance of brown spots.
- It protects the skin from external aggressions with its antioxidant properties.

The extract of licorice makes it possible to fight against the appearance of brown spots in influencing the process response of their appearance

PRODUCTS CATALOGUE

Botany : Qualitative identification and quantitative determination for a constant quality

Botany Aloe Vera	Leaves	<i>Aloe Barbadosensis Miller</i>	1:1 Gel [Polysaccharides, Minerals]
Botany Balm Mint	Leaves	<i>Melissa officinalis L.</i>	5% [Rosmarinic acid]
Botany Bearberry	Leaves	<i>Arctostaphylos uva-ursa Sprengel</i>	>20% Arbutin
Botany Bilberry	Fruits	<i>Vaccinium myrtillus L.</i>	Extract 4:1 to 80:1
Botany Bitter Orange	Bark	<i>Citrus aurantium L.</i>	Extract 4:1 to 20:1 - [6% Synephrin]
Botany Blackcurrant	Fruits	<i>Ribes nigrum L.</i>	[Anthocyanins] and / or [organic acids]
Botany Butcher's Broom	Plant	<i>Ruscus aculeatus L.</i>	10% [Ruscogenin, Neoruscogenin]
Botany Centella	Flower	<i>Centella asiatica L.</i>	10% [Asiaticoide and Madecassosides]
Botany Chamomile	Flower	<i>Chamomilla recutita L.</i>	1,2% [Apigenin]
Botany Fennel	Seeds	<i>Foeniculum vulgare Miller</i>	Extract 4:1 to 10:1
Botany Ginkgo	Leaves	<i>Ginkgo biloba L.</i>	24% [Flavones glycosides], 6% [Diterpenes]
Botany Ginseng	Roots	<i>Panax ginseng C.A. Meyer</i>	5% til 30% [Ginsenosides]
Botany Grapes	Seeds	<i>Vitis vinifera L.</i>	95% [Polyphenols], 12% [Catechins]
Botany Green Tea	Leaves	<i>Camelia sinensis L.</i>	85% [Polyphenols], 50% [Catechins]
Botany Guarana	Seeds	<i>Paullinia cupana H.B.K.</i>	Water Extract, 4 to 20% Natural caffeine
Botany Hibiscus	Flower	<i>Hibiscus sabdariffa L.</i>	Polyphenols and Organic acids
Botany Horse Chestnut	Seeds	<i>Aesculus hippocastanum L.</i>	20% [Aescin]
Botany Nettle	Roots	<i>Urtica dioica L.</i>	0,85% [Sterols]
Botany Nettle	Leaves	<i>Urtica dioica L.</i>	Extract 2:1 to 10:1
Botany Olive	Aerial	<i>Oleo europaea L.</i>	20% [Oleuropein]
Botany Passiflora	Plant	<i>Passiflora incarnata L.</i>	6% [Flavonoids], 1,5% [Vitexin, Isovitexin]
Botany Red Clover	Flower	<i>Trifolium pratense L.</i>	Isoflavonglucosides
Botany Rose Hip	Fruit	<i>Rosa canina L.</i>	10% [Ascorbic acid]
Botany Soy	Seeds	<i>Glycine max L.</i>	40% [Total isoflavones]
Botany White Tea	Leaves	<i>Camelia sinensis L.</i>	85% [Polyphenols]

BotanyFloral : Floral Waters, collected during the steam distillation of various plants, flowers and herbs.

BotanyFloral Artichoke	<i>Cynara scolymus L.</i>
BotanyFloral Blackcurrant	<i>Ribes nigrum L.</i>
BotanyFloral Chamomile	<i>Chamomilla recutita L.</i>
BotanyFloral Dandelion	<i>Taraxacum officinale Webes</i>
BotanyFloral Elderberry	<i>Sambucus nigra L.</i>
BotanyFloral Hamamelis	<i>Hamamelis virginiana L.</i>
BotanyFloral Hawthorn	<i>Crataegus sp.</i>
BotanyFloral Hibiscus	<i>Hibiscus sabdariffa L.</i>
BotanyFloral Hops	<i>Humulus lupulus L.</i>
BotanyFloral Linden tree	<i>Tilia sp.</i>
BotanyFloral Passion Flower	<i>Passiflora incarnata L.</i>
BotanyFloral Rose	<i>Aniba roseodora Ducke</i>
BotanyFloral Sarsaparilla	<i>Smilax officinalis L.</i>
BotanyFloral St John's Wort	<i>Hypericum perforatum L.</i>
BotanyFloral Sweet Clover	<i>Melilotus officinalis L.</i>
BotanyFloral Grapes - 'Fruit Water'	<i>Vitis vinifera L.</i>

BotanySelect : Advanced purification processes for the highest activity

BotanySelect Aloe Vera	Leaves	<i>Aloe Barbadosensis Miller</i>	10:1 Gel [Vitamins, Aminoacids, Enzymes]
BotanySelect Berries acids	Fruits	<i>Vaccinium macrocarpon L.</i>	20-90% natural organic acids from Cranberry
BotanySelect Centella	Plant	<i>Centella asiatica L.</i>	36-44% [Asiaticoide], 44-66% [Asiatic acid and Madecassoside]
BotanySelect Madecassoside 95%	Plant	<i>Centella asiatica L.</i>	95% [Madecassoside] / 95% [Madecassoside+Terminolosite]
BotanySelect Echinacea	Root	<i>Echinacea purpurea L. Moench</i>	4% [Phenylpropanoids]
BotanySelect Flower acids	Flower	<i>Hibiscus sabdariffa L.</i>	40-80% natural organic acids
BotanySelect GLA	Roots	<i>Glycyrrhiza glabra L.</i>	98% [Monoammonium Glycyrrhizinate]
BotanySelect GLA 18 (& GLAP 18)	Roots	<i>Glycyrrhiza glabra L.</i>	98% Enoxolone [18 β glycyrrhetic acid] (& Potassium salt of 18 β)
BotanySelect Glabridin	Roots	<i>Glycyrrhiza glabra L.</i>	40% [Glabridin]
BotanySelect PGL	Roots	<i>Glycyrrhiza glabra L.</i>	98% [Dipotassium Glycyrrhizate]
BotanySelect Hamamelis	Leaves	<i>Hamamelis virginiana L.</i>	assay in Hamamelitanins, flowery waters, fluid in glycol
BotanySelect Harpagophytum	Roots	<i>Harpagophytum procumbens L.</i>	2% to 20% [Harpagoside HPLC]
BotanySelect Horse Chestnut	Seeds	<i>Aesculus hippocastanum L.</i>	98% [Aescin]
BotanySelect Saw Palmetto 90	Aerial	<i>Sabal serrula Michaux</i>	90% [Fatty acids]

Soluble in water !

Burgundy provides a range of high-quality plant extracts offered in response to market trends. This range has been specially designed where solubility plays an important role. This is allowed by a specific process during extraction and formulation. Ask us for more on our water-soluble or oil-soluble grades, designed for your specific need.

Because Nature Suits You Well

Tell us « Your Product »

we can provide you with technical services to develop more unique products, such as:

- Co-development of products,
- Formulation assistance,
- Common technical document preparation
- Manufacturing contract (cryogenic grinding, formulating, blending, granulating, packing, integration of operations and full services offer, custom operations).

Our equipment can produce either extracts in powder forms, concentrate, or liquid forms using solid/liquid extraction equipment. The extraction solvent is then processed by vacuum distillation, vacuum concentration, evaporator or nano-filtration. Purifications are performed either by liquid/liquid extraction and solid/liquid separation or adsorption chromatography column in order to separate the isolated compounds with the finest precision. Semi-finished concentrates are dried after the last IPC for the powder forms, using multi-stage spray-drying equipment able to produce either fine or micro-granulated powders or vacuum belt dryer. Fluid extracts or tinctures are processed separately.

BotanyFluid : Glycolic (G), Hydroglycolic (HG), Butylen Glycol (BG), Water (W) fluid extracts

BotanyFluid W Aloe Vera	Leaves	<i>Aloe Barbadosensis Miller</i>	
BotanyFluid G Bearberry	Leaves	<i>Arctostaphylos uva-ursa Sprengel</i>	[Arbutin]
BotanyFluid W Burrow			
BotanyFluid G Burdock	Roots	<i>Arctium cappa L.</i>	
BotanyFluid G Butcher's Broom	Roots	<i>Ruscus aculeatus L.</i>	[Ruscogenin, Neoruscogenin]
BotanyFluid G / HG Centella	Plant	<i>Centella asiatica L.</i>	[Asiaticoide and Madecassosides]
BotanyFluid HBG Artemis nobilis	Flower	<i>Anthemis nobilis L.</i>	
BotanyFluid G / HG Chamomile	Flower	<i>Chamomilla recutita</i>	[Apigenin]
BotanyFluid G Ginseng	Roots	<i>Panax ginseng C.A. Meyer</i>	[Ginsenosides]
BotanyFluid G Grapes	Seeds	<i>Vitis vinifera L.</i>	[Polyphenols], [Catechins], [OPC]
BotanyFluid W Guarana	Seeds	<i>Paullinia cupana H.B.K.</i>	
BotanyFluid G / W Hamamelis	Leaves	<i>Hamamelis virginiana L.</i>	
BotanyFluid W Hibiscus	Flower	<i>Hibiscus sabdariffa L.</i>	Polyphenols and Organic acids
BotanyFluid G Horse Chestnut 1%	Seeds	<i>Aesculus hippocastanum L.</i>	[Aescin]
BotanyFluid Hop	Flower	<i>Humulus lupulus L.</i>	
BotanyFluid G Marigold	Flower	<i>Calendula officinalis L.</i>	
BotanyFluid Chrysanthemum	Flower	<i>Chrysanthemum indicum L.</i>	(ex-BotanyFluid Manzanilla)
BotanyFluid G Oat		<i>Avena sativa L.</i>	
BotanyFluid G Olive	Leaves	<i>Oleo europaea L.</i>	[Oleuropein]
BotanyFluid Ratanhia	Roots	<i>Krameria lappacea (Dombey) B&S</i>	
BotanyFluid Rosemary	Aerial	<i>Rosmarinus officinalis L.</i>	
BotanyFluid W Rose			
BotanyFluid Saw Palmetto	Berry	<i>Sabal serrulata Michaux</i>	

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