



Ideas from nature

**Decaffeinated teas, herbal and tea extracts
for the food and beverage industry**



Innovations from Plantextrakt – the perfect basis for your success

We provide you with everything you need from a single source – the best raw materials, innovative products and custom-tailored services. As one of the top companies in the development and production of plant-based extracts and decaffeinated teas, we lead the way in international markets for our customers from food and cosmetics industry around the world.

A driving force inspiring new ideas

We are continuously developing new ideas for our customers. From the endless possibilities that nature offers, we create new extracts, flavorings and active substances that lead directly to your innovative products of tomorrow.

Global expertise

As a member of **the nature network®**, we can guarantee you a head start when it comes to innovation. This global network of major plant-based brands ensures more than just a secure supply of raw materials. A full range of expertise from around the world is at our disposal – and available to our customers. It is this international knowledge and experience that drives the extraordinary innovative power of Plantextrakt.

Any flavoring or active substance

This brochure gives you an overview of our comprehensive product range:

- Herbal and fruit extracts
- Black and green tea extracts
- Decaffeinated teas

Experience the incredibly diverse world of Plantextrakt, and let our wide range of products and services inspire you to create new ideas!

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Black and green tea extracts

Our extensive portfolio of tea extracts is used in a wide range of categories in the food and beverage industry. We obtain our extracts from selected black and green teas. We also offer many other specialty products, such as oolong tea and white tea.

Our tea extracts are available in soft or in dried form, soluble in cold or hot water, and in colors ranging from light to dark. Our state-of-the-art processes ensure the high quality of the recovered extracts, which we are happy to adapt to meet your individual requirements.

For detailed information concerning tea-extracts and decaffeinated tea see our Plantextrakt tea-brochure.

As an additional specialty, we offer a number of variations of decaffeinated tea extracts.

To accent a certain note in the flavor and aroma of your products, we also offer natural flavors from black and green teas.

Decaffeinated teas

Plantextrakt is the leading supplier worldwide of decaffeinated black and green tea. Decaffeinated teas have a high antioxidant potential that is well recognized by health-conscious individuals. People who are sensitive to caffeine prefer these teas because of their calming effect. Decaffeinated teas are also very well suited for children.

Depending on the area of application, we offer you various product categories such as fanning type and loose tea products.

Plantextrakt uses only natural processing methods to ensure wholesome and unadulterated products.

Herbal and fruit extracts

The following product overview will show you the true diversity of extracts, as you can select from more than 100 different plants. You can also see the latest information on our offerings on the Internet.

We would like to advise you on your specific applications with our individual product concepts. Feel free to contact us at any time.

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Herbal and fruit extracts

	Product	Botanical name	Plant part	Gras Status	Functionality
A	Acerola	Malpighia sp.	Fruit		27, 31
	Aloe	Aloe vera, Aloe barbadensis	Juice	G	
	Angelica	Angelica archangelica	Root	G	1, 2
	Anise	Pimpinella anisum	Fruit	G	2, 10, 11, 19
	Apple	Malus sylvestris	Peel	G	26
	Artichoke	Cynara scolymus	Leaf	G <small>only for alcoholic beverages</small>	2, 7, 8
	Asparagus	Asparagus officinalis	Sprouts		16
B	Balm mint	Melissa officinalis	Leaf	G	2,17
	Basil	Ocimum basicicum	Herb	G	1, 22, 21, 30
	Bilberry/Blueberry	Vaccinium myrtillus	Fruit	G	5, 26, 29
	Black currant	Ribes nigrum	Leaf		29
	Blackberry	Rubus fruticosus	Leaf		5, 29
	Broccoli	Brassica oleracea var. italica	Plant	G	
	Buckwheat	Fagopyrum vulgare	Herb		
C	California pepper	Schinus molle	Fruit	G	30
	Caraway	Carum carvi	Fruit	G	2, 11, 19
	Cardamom	Elettaria cardamomum	Fruit	G	2, 7, 11
	Celery	Apium graveolens	Bulb		16, 30
	Celery	Apium graveolens	Seed	G	16
	Chamomile	Matricaria chamomilla	Flower	G	2, 11, 19, 21, 22
	Chicory	Cichorium intybus	Root	G	26



Herbal and fruit extracts

	Product	Botanical name	Plant part	Gras Status	Functionality
C	Chives	Allium schoenoprasum	Plant	G	30
	Chrysantheme	Chrysanthemum morifolium	Flower		30
	Cinnamon	Cinnamomum sp.	Bark	G	1, 2, 11, 30
	Clove	Syzygium aromaticum	Buds	G	1, 2, 11, 21, 22, 30
	Cola	Cola nitida	Seed	G	23
	Coriander	Coriandrum sativum	Fruit	G	1, 2
	Crisped mint	Mentha spicata	Leaf	G	1, 2, 21, 22, 30
	Curcuma	Curcuma domestica	Root	G	
	Curly cale	Brassica oleracea convar. Acephala	Leaf		
D	Damiana	Turnera diffusa	Leaf	G	
	Dandelion	Taraxacum officinale	Herb and root	G	1, 2, 7, 8, 16
E	Echinacea	Echinacea angustifolia/pallida	Herb and root		11
	Elderberry	Sambucus nigra	Fruit	G	26, 29
	Elderflower	Sambucus nigra	Flower	G	11, 18
	Eucalyptus	Eucalyptus globulus	Leaf	G	10, 30
F	Fennel	Foeniculum vulgare	Fruit	G	2, 10, 30
	Foenugreek	Trigonella foenum graecum	Seed	G	1
	Fruit tea, red				
	Fruit tea, yellow				

Functionality

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|-------------------------------------|------------------------------------|-----------------------|-------------------------------|
| 1. Promotes appetite | 9. Cough suppressant | 17. Calming | 25. Improves mental alertness |
| 2. Promoting digestion | 10. Expectorant | 18. Diaphoretic | 26. Rich in dietary fibre |
| 3. Stomach-soothing | 11. Strengthens immune system | 19. Spasmolytic | 27. Antioxidant |
| 4. Anti nausea | 12. Cardiotonic | 20. Tonic | 28. Cancer prevention |
| 5. Digestive aid | 13. Lowers blood pressure | 21. Throat antiseptic | 29. Rich in polyphenols |
| 6. Laxative | 14. Improves circulatory functions | 22. Oral hygiene | 30. Aromatic |
| 7. Improves bile duct functions | 15. Anti arteriosclerosis | 23. Vitalizing | 31. Contains vitamins |
| 8. Promotes healthy liver functions | 16. Diuretic | 24. Rich in minerals | |

G = FDA GRAS according to Code of Federal Regulations (CFR) Title 21 Parts 101, 172, 182 (USA)



Herbal and fruit extracts

	Product	Botanical name	Plant part	Gras Status	Functionality
G	Galangal	<i>Alpinia officinarum</i>	Root	G	1, 2, 19, 30
	Garlic	<i>Allium sativum</i>	Bulb	G	11, 15
	Gentian	<i>Gentiana lutea</i>	Root	G	1, 2, 20
	Ginger	<i>Zingiber officinale</i>	Root	G	2, 4
	Ginkgo	<i>Ginkgo biloba</i>	Leaf		25
	Ginseng	<i>Panax ginseng</i>	Root		20, 25
	Grape	<i>Vitis vinifera</i>	Seed	G	27, 29
	Guarana	<i>Paullinia cupana</i>	Seed	G	7, 23
H	Hawthorn	<i>Crataegus sp.</i>	Leaf with flower		12
	Herbal mixtures				30
	Hibiscus	<i>Hibiscus sabdariffa</i>	Flower	G only for alcoholic beverages	27, 29
	Honeybush	<i>Cyclopia genistoides</i>	Leaves, twigs, flowers		
	Hops	<i>Humulus lupulus</i>	Flower	G	17
	Horsetail	<i>Equisetum arvense</i>	Herb		16, 24
I	Iceland moss	<i>Cetraria islandica</i>	Plant	G only for alcoholic beverages	1, 9
	Indian crest	<i>Tropaeolum maius</i>	Plant		1, 9
J	Jamaica pepper	<i>Pimenta officinalis</i>	Fruit	G	1, 2, 30
	Jasmine	<i>Jasminum grandiflorum</i>	Flower	G	30
	Juniper	<i>Juniperus communis</i>	Fruit	G	



Herbal and fruit extracts

	Product	Botanical name	Plant part	Gras Status	Functionality
L	Lapacho	Tabebuia avellaneda	Bark	G	29
	Lavender	Lavandula officinalis	Flower	G	1, 2, 13, 17, 30
	Lemon	Citrus limon	Peel	G	30
	Lemon grass	Cymbopogon sp.	Leaf	G	30
	Lemon myrtle	Backhousia citriodora	Leaf		30
	Licorice	Glycyrrhiza glabra	Root	G	3, 10
	Linden	Tilia sp.	Flower	G	9, 11, 18
	Lovage	Levisticum officinale	Root	G	1, 2, 30
M	Majoram	Origanum majorana	Herb	G	1, 2, 30
	Mallow	Malva sylvestris	Flower and leaf		9
	Marshmallow	Althaea officinalis	Root	G	3, 9
	Mate	Ilex paraguariensis	Leaf	G	16, 23, 29
N	Nettle	Urtica dioica	Leaf		16
	Nutmeg	Myristica fragrans	Nut	G	1, 2, 30
O	Olive	Olea europaea	Leaf	G	1, 13
	Onion	Allium cepa	Bulb	G	1, 11, 13, 15, 18
	Orange	Citrus aurantium ssp. amara	Peel	G	1
	Orange	Citrus aurantium ssp. amara	Flower	G	30
	Oregano	Origanum vulgare	Herb	G	1, 2, 30

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Herbal and fruit extracts

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P	Passion flower	Passiflora incarnata	Flower	G	17
	Peppermint	Mentha piperita	Leaf	G	2, 7, 8, 19, 21, 22, 30
	Plantain	Plantago lanceolata	Leaf		9
	Pumpkin	Cucurbita pepo	Seed	G	
R	Raspberry	Rubus idaeus	Leaf	G	5, 21, 22, 29
	Red clover	Trifolium pratense	Plant	G	
	Red poppy	Papaver rhoeas	Flower		
	Red wine	Vitis vinifera	Concentrate		29
	Red wine leaves	Vitis vinifera	Leaf		
	Rhubarb	Rheum palmatum	Root	G	6
	Rooibos	Aspalathus linearis	Leaf		29
	Rose	Rosa gallica	Petals	G	30
	Rosehip	Rosa canina	Fruit	G	26
	Rosemary	Rosmarinus off.	Leaf	G	2, 14, 19, 23, 27
S	Sage	Salvia officinalis	Leaf	G	1, 2, 21, 22, 27
	Savory wort	Satureja hortensis	Herb	G	1, 2, 30
	Schisandra	Schisandra chinensis	Fruit		
	Sea-Buckthorn	Hippophaë rhamnoides	Fruit		27, 31
	Shiitake	Lentinus edodes	Plant		26
	Siberian ginseng	Eleutherococcus senticosus	Root		20
	St. John's wort	Hypericum perforatum	Herb	G	17, 19
					<small>G Hypericin-free alcohol distillate form only; only for alcoholic beverages</small>



Herbal and fruit extracts

	Product	Botanical name	Plant part	Gras Status	Functionality
S	Star anise	Illicium verum	Fruit	G	2, 10, 30
	Sunflowers	Helianthus annuus	Flower		
	Sweet woodruff	Asperula odoratum	Herb	G only for alcoholic beverages	30
T	Taigaroot	Eleutherococcus senticosus	Root		20
	Tamarind	Tamarindus indica	Pulp	G	6
	Thyme	Thymus vulgaris	Herb	G	9, 10, 30
V	Valerian	Valeriana officinalis	Root	G	17
	Verbena	Lippia citriodora	Herb	G only for alcoholic beverages	20
W	Water cress	Nasturtium officinale	Herb		10
	Wheat	Triticum sativum	Grass		
	White horehound	Marrubium vulgare	Herb	G	7, 9
	Wild majoram	Origanum vulgare	Herb	G	1, 2, 30
	Wild thyme	Thymus serpyllum	Herb	G	9, 10, 30
	Wine leaves	Vitis vinifera	Leaf		29
	Wormwood	Artemisia absinthium	Herb	G	1, 2, 7
Y	Yarrow	Achillea millefolium	Herb	G	1, 2, 8

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Broad product range for diverse markets

Ready-to-drink beverages

- Ice tea
- Tea and juice combination drinks
- Soft drinks
- Functional drinks
- Flavored mineral waters
- Near-water products
- Mixes of beer and other beverages

Instant beverages

- Ice tea
- Herbal/fruit tea
- Infant drinks
- Vending machine beverages

Confectionery

- Herbal/fruit candies
- Licorice products
- Chewing gum/chewy candies
- Chocolate products
- Bars

Dairy products

- Yogurt/yogurt drinks
- Cream cheese preparations
- Dips
- Desserts
- Ice cream products

Fruit-based products

- Fruit spreads
- Fruit preparations
- Toppings

Various foods

- Breads and baked goods
- Seasonings
- Natural color extracts
- Food supplements

Latest innovations

Our development team is constantly working on innovations in these and other, very different product categories.



Full service for everything related to plants

Plantextrakt provides you with everything you need for plant-based extracts and decaffeinated teas. That includes a comprehensive range of services for everything from designing and developing products to their targeted launch on the market. We are there to support you right from the very start. We offer valuable advice and professional project management in the areas of:

Consulting and development of product concepts

- Formula development
- Formula optimization
- Concept development
- Processing technology

Scientific support

- Product documentation
- Certificate of Analysis
- Functional food brochures
- Literature search
- Analytical services
- Registration and expert reports
- Assessments of laws relating to food and drugs

Marketing support

- Analysis of existing as well as new markets
- Information on the latest trends
- Support for launches

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The information contained in this brochure is the result of our findings and experience. It represents the best of our knowledge and belief and its intended purpose is to advise our customers. The information is, however, only of a non-binding nature. Protection rights of third parties must be observed. Furthermore, before sale of the products it must in all cases be ensured that the product satisfies all local legal requirements.

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