

# medXTRACT

Plant extracts by ultrasounds and floral waters.



medolla   
speciality chemicals



## The charm of nature

Nowadays, natural and natural derived ingredients have an increasingly important role in the production of modern and sustainable personal care and cosmetics formulations.

Plant extracts and floral waters are widely used, key ingredients in several industrial sectors such as cosmetics and personal care, pharmaceutical, food, etc.

Medolla Speciality Chemicals has been producing plant extracts and floral waters for more than 10 years, marketed worldwide with the renowned brand MEDXTRACT.

With our state-of-the-art method of extraction by ultrasounds, we provide our customers with outstanding products meeting the highest standard of quality.

The extraction by ultra sounds is an exclusive physical system that offers important advantages in comparison with traditional systems.

The dehydrated vegetable materials, placed in solvent to rehydrate, absorb more quickly and a larger quantity if subject to ultrasounds. The fast transfer of energy created by ultrasounds, in fact, produces accelerated flows of solvent (ultrasounds jet), that can enter tissues more easily.

The generated pressure waves generate cavitation bubbles, that are microscopical zones of fluid where the concentration of energy induces an explosive compression and decompression. At the same time, we can observe the modification of cells structure that normally resists to the loss of cytoplasmic material. Cell walls and middle lamellas exposed to ultrasounds are partially reduced to small fragments and the transfer of organic cellular substances to solvent is greatly facilitated.

The entire extraction is carried out at room temperature (25 °C), thus avoiding the modification and/or degradation of thermolabile actives (essential oils, vitamins, etc.) and the caramelization of sugars.

Thanks to its terrific efficacy and the safeguard of actives, the ultrasounds assisted extraction guarantees the best qualitative and quantitative degree.

The constant and meticulous analysis and comparative tests with similar products on the market confirm the higher quality of our extracts.

Our MEDXTRACT do not consist of, do not contain and are not produced from Genetically Modified Organism (GMOs).

Our floral waters are produced by steam-distillation under vacuum. All aromatic fractions are present in water after condensation.

Floral waters are completely water soluble, well tolerated by skin and mucous membranes and can be applied alone or replace water partially or entirely in any water-based formulation.

The range of MEDXTRACT consists of an extensive selection of plant extracts and floral waters, that can be classified in standard and organic grades:

- Standard grades: hydro/glycolic extracts (in propylene glycol), floral waters.
- Organic grades: organic hydro/glyceric extracts (in vegetable glycerine), organic floral waters.

Our organic MEDXTRACT are COSMOS Organic certified by ICEA, an italian leading certifying organization, accredited agent of the NOP as well.



## HYDRO-GLYCOLIC EXTRACTS 1:2

PRODUCT NAME	INCI NAME
MEDXTRACT ALOE 1:2	Aloe Barbadensis leaf extract
MEDXTRACT APPLE 1:2	Pyrus Malus fruit extract
MEDXTRACT ARNICA 1:2	Arnica Montana flower extract
MEDXTRACT BAMBOO 1:2	Bambusa Vulgaris sap extract
MEDXTRACT BEARBERRY 1:2	Arctostaphylos Uva Ursi leaf extract
MEDXTRACT BIRCH 1:2	Betula Alba leaf extract
MEDXTRACT BITTER CHERRY 1:2	Prunus Cerasus stalk extract
MEDXTRACT BLACK CURRANT 1:2	Ribes Nigrum leaf extract
MEDXTRACT BURDOCK 1:2	Arctium Lappa root extract
MEDXTRACT CABBAGE ROSE 1:2	Rosa Centifolia flower extract
MEDXTRACT CALENDULA 1:2	Calendula Officinalis flower extract
MEDXTRACT CENTELLA ASIATICA 1:2	Centella Asiatica leaf extract
MEDXTRACT CHAMOMILE 1:2	Chamomila Recutita flower extract
MEDXTRACT COFFEE 1:2	Coffea Arabica seed extract
MEDXTRACT CORNFLOWER 1:2	Centaurea Cyanus flower extract
MEDXTRACT CUCUMBER 1:2	Cucumis Sativus fruit extract
MEDXTRACT EUCALYPTUS 1:2	Eucalyptus Globulus leaf extract
MEDXTRACT EVERLASTING 1:2	Helichrysium Italicum extract
MEDXTRACT GINGER 1:2	Zingiber Officinalis root extract
MEDXTRACT GINKGO BILOBA 1:2	Ginkgo Biloba leaf extract
MEDXTRACT GINSENG 1:2	Panax Ginseng root extract
MEDXTRACT GOJI 1:2	Lycium Barbarum fruit extract
MEDXTRACT GREEN TEA 1:2	Camellia Sinensis leaf extract
MEDXTRACT HENNA 1:2	Lawsonia Inermis leaf extract
MEDXTRACT HIBISCUS 1:2	Hibiscus Sabdariffa flower extract
MEDXTRACT HORSE CHESTNUT 1:2	Aesculus Hippocastanum seed extract
MEDXTRACT HORSETAIL 1:2	Equisetum Arvense extract
MEDXTRACT KIWI 1:2	Actinidia Chinensis fruit extract
MEDXTRACT LAVENDER 1:2	Lavandula Angustifolia flower extract
MEDXTRACT LEMON 1:2	Citrus Limonpeel extract
MEDXTRACT LIQUORICE 1:2	Glycyrrhiza Glabra root extract
MEDXTRACT MARSHMALLOW 1:2	Althea Officinalis root extract
MEDXTRACT MILFOIL 1:2	Achillea Millefolium extract
MEDXTRACT MIMOSA 1:2	Mimosa Tenuiflora bark extract
MEDXTRACT MINT 1:2	Mentha Piperita leaf extract
MEDXTRACT OAT 1:2	Avena Sativa bran extract
MEDXTRACT OLIVE 1:2	Olea Europaea leaf extract
MEDXTRACT PAPAYA FRUIT 1:2	Carica Papaya fruit extract
MEDXTRACT PAPAYA LEAF 1:2	Carica Papaya leaf extract
MEDXTRACT PEACH 1:2	Prunus Persica leaf extract
MEDXTRACT ROSEMARY 1:2	Rosmarinus Officinalis leaf extract
MEDXTRACT SAPONARIA 1:2	Saponaria Officinalis leaf/root extract
MEDXTRACT SPIRULINA 1:2	Spirulina Maxima extract
MEDXTRACT STRAWBERRY 1:2	Fragaria Vesca fruit extract
MEDXTRACT THYME 1:2	Thymus Vulgaris flower-leaf extract
MEDXTRACT VERBENA 1:2	Verbena Officinalis leaf extract
MEDXTRACT WHEAT GERM 1:2	Hamamelis Virginiana leaf extract
MEDXTRACT WITCH HAZEL 1:2	Yucca Schidigera root extract



## FLORAL WATERS

PRODUCT NAME	INCI NAME
MEDXTRACT ALOE DISTILLED	Aloe Barbadensis leaf water
MEDXTRACT CABBAGE ROSE DISTILLED	Rosa Centifolia flower water
MEDXTRACT CALENDULA DISTILLED	Calendula Officinalis flower water
MEDXTRACT CHAMOMILE DISTILLED	Chamomilla Recutita flower water
MEDXTRACT CORNFLOWER DISTILLED	Centaurea Cyanus flower water
MEDXTRACT EYEBRIGHT DISTILLED	Euphrasia Officinalis flower/leaf/stem water
MEDXTRACT GINSENG DISTILLED	Panax Ginseng root water
MEDXTRACT GREEN TEA DISTILLED	Camellia Sinensis leaf water
MEDXTRACT LAVENDER DISTILLED	Lavandula Angustifolia flower water
MEDXTRACT LEMON DISTILLED	Citrus Limon fruit water
MEDXTRACT LEMON SCENTED VERBENA DISTILLED	Lippia Citriodora leaf water
MEDXTRACT LINDEN DISTILLED	Tilia Cordata flower water
MEDXTRACT MELISSA DISTILLED	Melissa Officinalis water
MEDXTRACT MINT DISTILLED	Mentha Piperita leaf water
MEDXTRACT ROSEMARY DISTILLED	Rosmarinus Officinalis leaf water
MEDXTRACT SAGE DISTILLED	Salvia Officinalis leaf water
MEDXTRACT SWEET ORANGE BLOSSOM DISTILLED	Citrus Aurantium Dulcis flower water
MEDXTRACT THYME DISTILLED	Thymus Vulgaris leaf water
MEDXTRACT WITCH HAZEL DISTILLED	Hamamelis Virginiana leaf water
MEDXTRACT YLANG YLANG DISTILLED	Cananga Odorata flower water

## ORGANIC FLORAL WATERS

PRODUCT NAME	INCI NAME
MEDXTRACT CALENDULA DISTILLED ORGANIC	Calendula Officinalis flower water
MEDXTRACT CHAMOMILE DISTILLED ORGANIC	Chamomilla Recutita flower water
MEDXTRACT CORNFLOWER DISTILLED ORGANIC	Centaurea Cyanus flower water
MEDXTRACT DAMASK ROSE DISTILLED ORGANIC	Rosa Damascena flower water
MEDXTRACT LAVENDER DISTILLED ORGANIC	Lavandula Angustifolia flower water
MEDXTRACT LEMON DISTILLED ORGANIC	Citrus Limon fruit water
MEDXTRACT LINDEN DISTILLED ORGANIC	Tilia Cordata flower water
MEDXTRACT MELISSA DISTILLED ORGANIC	Melissa Officinalis flower/leaf/stem water
MEDXTRACT MINT DISTILLED ORGANIC	Mentha Piperita leaf water
MEDXTRACT ROSEMARY DISTILLED ORGANIC	Rosmarinus Officinalis leaf water
MEDXTRACT SAGE DISTILLED ORGANIC	Salvia Officinalis leaf water
MEDXTRACT SWEET ORANGE BLOSSOM DIST. ORGANIC	Citrus Aurantium Dulcis flower water
MEDXTRACT WITCH HAZEL DISTILLED ORGANIC	Hamamelis Virginiana leaf water



## ORGANIC HYDRO/GLYCERIC EXTRACTS 1:2

PRODUCT NAME	INCI NAME
MEDXTRACT ALOE 1:2 ORGANIC	Aloe Barbadensis leaf extract
MEDXTRACT ARNICA 1:2 ORGANIC	Arnica Montana flower extract
MEDXTRACT BASIL 1:2 ORGANIC	Ocimum Basilicum flower/leaf extract
MEDXTRACT CALENDULA 1:2 ORGANIC	Calendula Officinalis flower extract
MEDXTRACT CHAMOMILE 1:2 ORGANIC	Chamomila Recutita flower extract
MEDXTRACT CORNFLOWER 1:2 ORGANIC	Centaurea Cyanus flower extract
MEDXTRACT EUCALYPTUS 1:2 ORGANIC	Eucalyptus Globulus leaf extract
MEDXTRACT EVERLASTING 1:2 ORGANIC	Helichrysum Italicum flower extract
MEDXTRACT FENNEL 1:2 ORGANIC	Foeniculum Vulgare fruit extract
MEDXTRACT FENUGREEK 1:2 ORGANIC	Trigonella Foenum-Graecum seed extract
MEDXTRACT GINGER 1:2 ORGANIC	Zingiber Officinalis root extract
MEDXTRACT GREEN TEA 1:2 ORGANIC	Camellia Sinensis leaf extract
MEDXTRACT HONEY ORGANIC	Mel extract
MEDXTRACT HOP 1:2 ORGANIC	Humulus Lupulus flower extract
MEDXTRACT HORSE CHESTNUT 1:2 ORGANIC	Aesculus Hippocastanum seed extract
MEDXTRACT HORSETAIL 1:2 ORGANIC	Equisetum Arvense extract
MEDXTRACT IVY 1:2 ORGANIC	Hedera Helix leaf extract
MEDXTRACT LAVENDER 1:2 ORGANIC	Lavandula Angustifolia flower extract
MEDXTRACT LEMON 1:2 ORGANIC	Citrus Limon peel extract
MEDXTRACT LINDEN 1:2 ORGANIC	Tilia Cordata flower extract
MEDXTRACT LIQUORICE 1:2 ORGANIC	Glycyrrhiza Glabra root extract
MEDXTRACT MARSHMALLOW 1:2 ORGANIC	Althea Officinalis root extract
MEDXTRACT MELISSA 1:2 ORGANIC	Melissa Officinalis leaf extract
MEDXTRACT MILFOIL 1:2 ORGANIC	Achillea Millefolium flower extract
MEDXTRACT MINT 1:2 ORGANIC	Mentha Piperita leaf extract
MEDXTRACT NETTLE 1:2 ORGANIC	Urtica Dioica leaf extract
MEDXTRACT OAT 1:2 ORGANIC	Avena Sativa bran extract
MEDXTRACT OLIVE 1:2 ORGANIC	Olea Europaea leaf extract
MEDXTRACT RED GRAPE 1:2 ORGANIC	Vitis Vinifera leaf extract
MEDXTRACT ROSEMARY 1:2 ORGANIC	Rosmarinus Officinalis leaf extract
MEDXTRACT SAGE 1:2 ORGANIC	Salvia Officinalis leaf extract
MEDXTRACT SWEET ORANGE BLOSSOM 1:2 ORGANIC	Citrus Aurantium Dulcis flower extract
MEDXTRACT THYME 1:2 ORGANIC	Thymus Vulgaris flower-leaf extract
MEDXTRACT WHEAT GERM 1:2 ORGANIC	Triticum Vulgare leaf extract
MEDXTRACT WITCH HAZEL 1:2 ORGANIC	Hamamelis Virginiana leaf extract





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