Nicodom IR Essential Oils (543 spectra)

The FTIR spectra database „Nicodom IR Essential Oils“ covers the needs of customers interested in essential oils analysis. Our collection includes not only FTIR spectra of pure essential oils and carrier Oils. Important group of samples are also additives used for essential Oils dilution, stabilization and other improvements and pure components present in Essential Oils. „Nicodom IR Essential Oils“ is a first spectral library which can help you to distinguish pure Essential Oil from less valuable products called Aromatherapy Oils, Fragrance Oils, Perfume Oils, Esoteric Oils, Massage Oils etc. Some examples of diluted, treated oils and blends are also included in the library.

Essential Oils are botanical extracts of various plant materials prepared by cold pressing, extraction, or distillation. They might have slightly different composition depending on the extraction methods and geographical region. The full version of „Nicodom IR Essential Oils“ include common oil name, product type (essential or other), region, latin plant name and other sample information. The following list only include the common oil names without important details.

The spectra were collected using the FTIR Spectrometer Impact 410 and Nexus 670 ™ (Thermo) and the Miracle™ single bounce ATR accessory (Pike Technologies) equipped by Si or Diamond crystal.

The spectral library features resolution of 4cm-1 in the spectral range 600-4000 cm-1, measurement time 1 minute.

This library is available as digital searchable library compatible with your spectroscopic software. Also it can be delivered with SEARCH software or in *.pdf format.

To download the list of spectra from this library, to download a free demo library compatible with your software, to check the format compatibility as well as for pricelist, ordering info and information about all NICODOM IR/NIR Libraries and other NICODOM products please visit our webpage.

Last update: Oct 18th, 2012
List of Spectra - Essential Oils
(Includes 100% pure oils, diluted oils, blends)

Absinthe Oil
Ajowan Oil
Allspice Oil
Allspice Oil 10%
Aloe Vera Fragrance
Amber Fragrance Oil
Amber Oil 10%
Amber perfume Oil
Amyris Oil
Amyris Oil 10%
Angelica Root Oil
Angelica Root Oil 10%
Anise Oil
Anise Oil 10%
Anise seed Oil
Anise Star Oil
Araucaria Oil
Asafoetida Oil
Australian Blue Cypress Oil
Australian Blue Cypress Oil 10%
Azalea Absolute Oil
Balsam of Peru
Basil Holy Oil
Basil Holy Oil 10%
Basil Sweet Oil
Basil Sweet Oil 10%
Bay laurel Leaf Oil
Bay Laurel Oil
Bay Laurel Oil 10%
Bay Oil
Bay Rum Leaf Oil
Beech tar
Benzoin
Benzoin Gum
Bergamonte Oil
Bergamot Mint Oil
Bergamot Oil
Bergamot Oil 10%
Bergamot Oil Anti Smoke Blend
Betula Oil
Birch Fragrance Oil
Birch Oil
Bitter Fennel Oil
Black Cumin Oil
Black Cherry Fragrance Oil
Black Pepper Oil
Black Pepper Oil 10%
Black Pine Oil

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Black Seed Oil
Black Spruce Wild Crafted Oil
Blue Tansy Wild Crafted Oil
Blue Yarrow Wildcrafted Oil
Bourbon Geranium Oil
Broad-leaved paperbark Oil
Broombush leaf Oil
Bucchu Leaf Oil
Bulgarian geranium Oil
Cabreuva Wild Crafted Oil
Cade Oil
Caerulea Oil
Calamus Oil
Calamus Oil 10%
Calendula Absolute Oil
Cardamom Oil
Cardamom Oil 10%
Cardamom Oil Lot 2
Carrot seed Oil
Carrot Seed Oil 10%
Cassia Oil
Catnip Oil
Cedar Wood Oil
Cedar Wood Oil Himalayan Wild Crafted
Cedar Wood Oil Texas
Cedarwood Atlas Oil 10%
Celery Seed Oil
Celery Seed Oil 10%
Cambran Pine Oil
Cinnamon Bark Oil
Cinnamon Fragrance Oil
Cinnamon Leaf Organic Oil 10%
Cinnamon Oil
Citronella Fragrance Oil
Citronella Grass Oil
Citronella Oil
Citronella Organic Oil 10%
Clary Sage Oil
Clary Sage Oil 10%
Clove bud Oil
Clove Leaf Oil
Clove Oil
Clove Stem Oil
Clove Stem Oil 10%
Coconut Fragrance Oil
Coffee Fragrance Oil
Combava Wildcrafted Oil
Copiaba Balsam
Coriander Oil
Coriander Seed Oil 10%
Cornmint Oil
Cumin Seed Oil

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Curcuma Oil
Curry Leaf Oil
Cypress Oil
Cypress Oil 10%
Cypriol Oil
Daffodil Fragrance Oil
Dalmatian Sage Oil
Davana Oil
Davana Oil 10%
Dehydrogenated Castor Oil (dried)
Dill Seed Oil
Dill Weed Oil
Douglas Fir Wild Crafted Oil
Douglas Fir Wild Crafted Oil 10%
Dwarf Mugo Pine Oil
Ecstasy rose Fragrance Oil
Elemi Oil
Eucalyptus Blue mallee Oil
Eucalyptus Blue mallee Organic Oil
Eucalyptus camaldulensis Oil
Eucalyptus Dives Oil
Eucalyptus Fragrance Oil
Eucalyptus Globulus Oil
Eucalyptus Gully Gum Oil
Eucalyptus Narrow Leaf Oil
Eucalyptus Oil
Eucalyptus Oil 10%
Eucalyptus Peppermint Oil
Eucalyptus Staigeriana Oil
European silver fir cone Oil
Fennel Sweet Oil 10%
Fir Fragrance Oil
Fir Needle Oil
Fir Oil
Flagroot Oil
Frankincense Oil
Frankincense Oil 10%
Freesia Fragrance Oil
Galangale Lesser Oil
Galbanum Oil
Gardenia Fragrance Oil
Gardenia Oil 15% in Tripropylene Glycol Monomethyl Ether
Garlic Oil
Geranium Oil
Geranium Oil 10%
Ginger Oil
Ginger Oil 10%
Grapefruit Oil
Grapefruit Pink Oil
Grapefruit White Oil 10%
Green Pepper Oil
Green Yarrow Wildcrafted Oil

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Guaiac Wood Oil
Hazelnut Fragrance Oil
Heather Fragrance Oil
Hibawood Oil Wildcrafted
Ho Wood Oil
Holy Wood Oil
Honey Rose Fragrance Oil
Honeydew Fragrance Oil
Hop plant Oil
Hyssop Oil
Hyssop Oil 10%
Chamomile Fragrance Oil
Chamomile Oil
Chamomile Oil 10%
Chamomile Roman Oil
Chamomile Wild Oil
Chaste Tree Berry Wild Crafted Oil 10%
Chaste Tree Oil
Chinese perfume plant Oil
Immortelle Oil
Immortelle Wild Crafted Oil 10%
Indian sandalwood Oil
Irish Clover Refresher Oil
Ivy Fragrance Oil
Japanese mint Oil
Jasmine Absolute Oil
Jasmine Absolute Oil 10%
Jasmine Fragrance Oil
Juniper Berry Oil
Juniper Berry Oil 10%
Kaffir Lime Oil
Kanuka Oil
Katrafay Wild Crafted Oil
Key Lime Oil
Khella Oil
Korean Fir Oil
Larch Turpentine Oil
Lavandin Oil
Lavender Bulgarian Oil
Lavender French Oil
Lavender High Altitude Oil
Lavender Maillette Oil
Lavender Oil
Lavender Oil 10%
Lemon Eucalyptus Oil
Lemon myrtle Oil
Lemon Myrtle Oil 10%
Lemon Oil
Lemon Oil Type 2
Lemon Wormwood Oil
Lemongrass Oil
Lemongrass Organic Oil 10%

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Lemon-scented teatree Oil
Lilac Fragrance Oil
Lilac Perfume Oil
Lily Fragrance Oil
Lime Oil
Limeta Oil Blend
Limetta Oil
Litsea Oil
Lotus Fragrance Oil
Lovage Oil
Lychee Nut Fragrance Oil
Mace Oil
Mandarin Oil
Mandarin Red Oil
Mango Blossom Fragrance Oil
Manuka Organic Oil
Manuka Wild Crafted Oil 10%
Marigold Fragrance Oil
Marigold Oil
Marjoram Oil
Marjoram Spanish Oil
Marjoram Sweet Oil
Mastic
May Chang Oil
May Chang Oil 10%
Meadowsweet Oil
Melissa Essence Oil
Melissa Essence Oil 10%
Mint Oil
Moroccan Fig Fragrance Oil
Mountain Pine Oil
Mountain Savory Wild Crafted Oil
Mucosa rose Fragrance Oil
Mugwort Organic Oil
Mugwort Organic Oil 10%
Myrrh Oil
Myrrh Oil 10%
Myrrh Oil blend
Myrtle Oil 10%
Myrtle Perfume Oil
Nagarmotha Oil
Narrow-leaved spike lavender Oil
Neroli Oil
Neroli Oil 10%
Niaouli Oil
Norway spruce Oil
Nutmeg Oil
Nutmeg Oil blend
Oak Moss Absolute Oil
Onion Oil
Onion Oil 10%
Opopanax Wildcrafted Oil

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Opoponax Wild Crafted Oil 10%
Orange Bitter Oil
Orange Fragrance Oil
Orange Oil
Oregano Oil
Oregano Wild Crafted Oil 10%
Ozone Fragrance Oil
Palmarosa Oil
Palmarosa Organic Oil 10%
Palo Santo Oil
Palo Santo Oil 10%
Parsley Leaf Oil
Patchouli Dark Oil 10%
Patchouli Oil
Peach Fragrance Oil
Peanut Fragrance Oil
Pear Blossom Fragrance Oil
Pearberry Fragrance Oil
Pennyroyal Oil
Peppermint Oil
Peppermint Organic Oil 10%
Perilla Oil
Peruvian Lily Fragrance Oil
Peruvian peppertree Oil
Petitgrain Oil
Pine Cone Fragrance Oil
Pine Needle Oil
Pine Oil Asia
Pine Oil Blend
Pine Oil USA
Pine Scotch Wild Crafted Oil 10%
Plum Fragrance Oil
Poppy Oil
Ravensara Oil
Ravensara Wild Crafted Oil 10%
Red apple Fragrance Oil
Red Orange Oil
Red Sage Wild Crafted Oil 10%
Red Sage Wildcrafted Oil
Rice Flower Oil
Rock Rose Oil
Rose Fragrance Oil
Rose Geranium Oil
Rose Geranium Oil 10%
Rose Parfume Oil
Rosemary Oil
Rosemary Oil 10%
Rosemary Oil organic
Rosemary Verbenone Oil 10%
Rosemary Verbenone Organic Oil
Rosewood Oil
Sage Oil
Sandalwood Oil
Sassafras Oil
Scotch Pine Oil
Siam Wood Wild Oil
Spanish Origanum Oil
Spanish sage Oil
Spearmint Oil
Spiked Ginger Lily Wildcrafted Oil
Spikenard Oil
Spikenard Wild Crafted Oil 10%
Spruce Hemlock Oil
Spruce Hemlock Oil 10%
Spruce Oil
St. John's wort Oil
Star Anise Oil
Sugandh Kokila Oil
Sweet Birch Oil
Sweet Cane Oil
Sweet Fennel Oil
Sweet Orange Oil
Sweet Orange Oil blend
Swiss Pine Oil
Tagetes Oil
Tangerine fragrance Oil
Tangerine Oil
Tansy Blue Wild Crafted Oil 10%
Tansy Oil
Tarragon Oil
Tarragon Oil 10%
Tea Tree Fragrance Oil
Tea Tree Oil
Tea Tree Oil 10%
Tea Tree Rosalina Wild Crafted Oil
Teel Oil
Thuja Oil
Thuja Oil blend
Thyme Oil
Thyme Oil Treated
Thyme White Oil
Tomar Seed Oil
Tuberose Fragrance Oil
Tuberose Oil 15% in Tripropylene Glycol Monomethyl Ether
Tulsi Oil
Tung Oil
Turmeric Oil
Turmeric Oil 10%
Turpentine Oil
Valerian Root Oil
Valerian Root Oil 10%
Verbena Wild Crafted Oil
Verbena Wild Crafted Oil 10%
Vetiver Oil
Vetiver Oil 10%
Victorian Rose Fragrance Oil
Virginian Cedar Wood Oil
Vitex Wild Crafted Oil
Vitex Wild Crafted Oil 10%
West Indian Sandalwood Oil
White Camphor Oil
White Pine Oil
White tea-tree Oil
Wine Grape Seed Oil
Wintergreen Oil
Wintergreen Organic Oil 10%
Wormwood Oil
Wormwood Oil 10%
Yarrow Green Wild Crafted Oil 10%
Ylang Ylang Oil 10%
Ylang Ylang Extra Oil
Ylang-Ylang Oil
Yoyoba Oil
Zdravetz Oil

**Carrier/Natural Oils**
(carrier oils used for essential oils dilution, other natural oils, edible oils, fish oils etc.)

Apricot Kernel Oil
Apricot seed Oil
Argan Oil
Avocado Oil
Butter
Cashew nut Oil
Castor Oil
Castor Oil hydrogenated
Castor Oil, ethoxylated
Claw Oil
Cocoa Butter
Coconut Oil
Cod-Liver Oil
Coleseed Oil
Cooking Fat Omega 100%
Cooking Fat Stella extra 80%
Cottonseed Oil
Edible Fat Flora 48%
Edible Fat Flora Light 30%
Edible fat Hera 75%
Fish Oil
Hazelnut Oil
Herring Oil
Cherry Kernel Oil
Lard
Linseed Oil
Linseed Oil rectified
Macadamia nut Oil
Maize Oil
Marine fish Oil
Nut Oil
Olive Oil
Olive Oil Extra Virgin
Peach Kernel Oil
Peanut Oil
Pecan Nut Oil
Pistachio Nut Oil
Pumpkin seed Oil
Rapeseed Oil
Rice Bran Oil
Safflower Oil
Salmon Oil
Sardines Oil
Sesame Oil
Soybean Oil
Sunflower Oil
Sunflower Oil blend for cooking
Sweet Almond Oil
Tallow Oil
Walnut Oil
Wheat Germ Oil

Related Chemicals
(pure components, stabilizers, additives, etc.)

(-)-Camphene
(-)-Linalool
(+)-Terpinen-4-ol
(+/−)-Camphor
(1R)-(−)-α-Pinene
(1R)-(−)-Camphor
(1S)-(−)-α-Pinene
(E)-Anethole
(R)-(−)-Carvone
1-Butanol
1-Propanol
2-Butanol
2-Propanol
3,7,11,15-Tetramethyl-2-hexadecen-1-ol
3-Octanone
Acetic acid
Acetoanisole
Agar Powder
Alcohol perfume
alpha-Pinene
alpha-terpinene
alpha-terpineol
Anisaldehyde
Behenic Acid
Benzaldehyde
Benzoic acid
Benzyl acetate
Benzyl Benzoate
Benzylalcohol
Bergapten
beta-pinene
Borneol
Camphene
Camphor
Caraway Oil
Cineole
Cinnamic acid
cis-anethole
cis-Cinnamaldehyde
Citral
Citronellal
Citronellol
Coal Tar
diisobutyl phthalate
diisodecyl Phthalate
di-isononyl Phthalate
dipentyl phthalate
dipropyl phthalate
dipropylene Glycol
ditridecyl Phthalate
Ethanol
Ethyl Acetate
Ethyl Phthalate
Ethyl salicylate
Eugenol
Farnesol
Formic acid
Furfural
Furfuryl Alcohol
Geraniol acetate
Glycerol
Glycerol Tristearate
Gum Arabic
Indole
Isoamyl acetate
Isopropyl myristate
Lavandulol
Lecithin
Limonene
Linalyl acetate
Linoleic Acid
m-cresol
Menthol
Methanol  
Methyl acetate  
Methyl benzoate  
Methyl cinnamate  
Methylparaben  
Mineral Bil  
Myrcene  
Nerolidol  
Neryl acetate  
Nonanol  
Oleic acid  
Owatrol bil  
Palmitic Acid  
Palmitoleic Acid  
Paraffin Bil  
p-cresol  
p-cymene  
Pectin  
Phellandrene  
Phenethyl alcohol  
Phytol  
Pinene  
Pulegone  
Sodium Benzoate  
Starch  
Stearic Acid  
Tallow Oil Fatty Acid  
t-Butanol  
Terpineol  
Thujone  
Thymol  
Trimyristin  
Tripalmitin  
Triton X-100 (Dried)  
Valeric acid  
Vanillin  
Water  
Wax, yellow bees wax  
Xanthan Gum

**Sample CAS Numbers**

100-06-1  
100-51-6  
100-52-7  
103-26-4  
104-46-1  
104-55-2  
105-87-3  
106-22-9  
106-23-0  
106-44-5
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8022-96-6
8022-97-7
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8023-91-4
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8024-09-7
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80-56-8
83863-30-3
84012-35-1
84082-58-6
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84082-83-7
84650-10-2
84-66-2

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84775-42-8
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84929-57-7
85085-43-4
85594-37-2
89-82-7
89-83-8
89997-74-0
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Sample Latin Names
Latin names of the plants used for manufacturing of essential oils

Abies
Abies alba
Abies koreensis
Acorus calamus
Agathosma betulina
Aglaiia odorata
Agnus Castus
Achillea Millefolium
Allium cepa
Allium sativum
Alstroemeria
Ammi visnaga
Amyris balsamifera
Anethum graveolens
Angelica archangelica
Aniba rosaeodora
Apium graveolens
Arachis hypogaea
Artemesia pallens
Artemisia absinthium
Artemisia dracunculus
Artimisia alba
Backhousia citriodora
Betula lenta
Betula verrucosa
Boswellia carteri
Bulnesia sarmienti
Bursera graveolens
Calendula officinalis
Callitris intratropica
Cananga odorata
Canarium luzonicum
Carthamus Tinctorius
Caryophyllus racemosus
Catha officinalis
Cedrelopsis grevei
Cedrus atlantica
Cedrus deodara
Cedrus libani
Cimum Basilicum
Cinnamomum camphora
Cinnamomum cassia
Cinnamomum glaucescens
Cinnamomum zeylanicum
Cinnamon verum
Cistus ladaniferus
Citrus aurantiifolia
Citrus aurantium
Citrus aurantium amara
Citrus aurantium dulcis
Citrus bergamia
Citrus hystrix
Citrus hystrix Papeda
Citrus limetta
Citrus limon
Citrus paradisi
Citrus Reticulata
Citrus sinensis
Clupea harengus
Cocus nucifera
Commiphora erythraea
Copiniaia officinalis
Coriandrum sativum
Cuminum cyminum
Cupressus sempervirens
Curcuma aromaticum
Curcuma longa
Cymbopogon flexuosus
Cymbopogon martini
Cymbopogon nardus
Cymbopogon winterianus
Cyperus scariosus
Daucus carota
Elettaria cardamom
Eucalyptus camaldulensis
Eucalyptus citriodora
Eucalyptus Dives
Eucalyptus Globulus
Eucalyptus Polybractea
Eucalyptus radiata
Eucalyptus smithii
Eugenia Caryophyllata
Evernia prunastri
Ferula asafoetida
Ferula galbaniflua
Filipendula ulmaria
Foeniculum vulgare
Foeniculum vulgare dulcis
Fokienia hodgensii
Gaultheria procumbens
Geranium macrorrhizum
Helichrysum italicum
Humulus lupulus
Hydechium spicatum
Hypericum perforatum
Hyssopus officinalis
Chamaemelum Nobile
Chamomilla recutita
Illicium Verum
Jasminum grandiflorum

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Jasminum tortuosum
Juglans regia
Juniperus communis linne
Juniperus oxycedrus
Juniperus virginiana
Kaempferia galanga
Kunzea ericoides
Lantana Camara
Laurus nobilis
Lavandula Angustifolia
Lavandula Dentata
Lavandula hybrida
Lavandula Officinalis
Lavandula Vera
Lavandula spica
Leptospermum petersonii
Leptospermum scoparium
Levisticum officinale
Lippia Citriodora
Litsea
Litsea Cubeba
Maleluca ericifolia
Matricaria chamomilla
Melaleuca alternifolia
Melaleuca leucadendron
Melaleuca quinquenervia
Melaleuca uncinata
Melaleuca viridiflora
Melissa officinalis
Mentha Arvensis
Mentha arvensis piperascens
Mentha Citrata
Mentha haplocalyx
Mentha piperita
Mentha Pulegium
Mentha spicata
Murraya Koenigii
Myristica fragrans
Myristicaceae
Myrocarpus fastigiatus
Myroxyron balsamum
Myrrhis Odorata
Myrtus communis
Nardostachys jatamansi
Neocallitropsis pancheri
Nepeta cataria
Nigella Sativa
Ocimum Sanctum
Ocimum tenuiflorum
Origanum Majorana
Origanum majorana dulcis
Origanum vulgare

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Ormenis multicaulis
Pelargonium graveolens
Pelargonium roseum asperum
Pelargonium terebinthinaceum
Perilla frutescens
Petroselinum sativum
Pica abies
Picea excelsa
Picea mariana
Pimelea microcephala
Pimenta officinalis
Pimenta racemosa
Pimpinella anisum
Pinus Cembra
Pinus mugo
Pinus mugo pumilio
Pinus Nigra
Pinus pinaster
Pinus strobus
Pinus sylvestris
Piper nigrum
Piper Viridis
Pistacia lentiscus
Pogostemon cablin
Pseudotsuga Menziesii
Ravensara anisata
Rhododendron obtusum
Rosemary Verbenone
Rosmarinus officinalis
Salvia lavandulaefolia
Salvia officinalis
Salvia officinalis minor
Salvia sclarea
Santalum Album
Santalum spicatum
Sassafras albidum
Satureja montana
Sesamum indicum
Schinus molle
Simmondsia californica
Staigeriana Eucalyptus
Styrax tonkinensis
Succini
Syringa vulgaris
Syzgium Aromaticum
Tagetes minuta
Tanacetum annum
Tanacetum vulgare
Thuja occidentalis
Thujopsis dolabrata
Thymus capitatus
Thymus mastichiana

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Thymus vulgaris
Thymus zygis
Tilia europaea
Trachyspermum ammi
Tsuga Canadensi
Valeriana officinalis
Vernicia fordii
Vetiveria zizanioides
Vitex agnus castus
Vitis vinifera
Zanthoxylum alatum
Zingiber officinale

**Sample Origin**
Countries or geographical regions where the essential oils come from

Argentina
Asia
Australia
Austria
Balkans
Botswana
Brazil
Bulgaria
Canada
Comores
Corsica
Crete
Croatia
Dalmatia
Eastern Europe
Ecuador
Egypt
France
Georgia
Germany
Greece
Haiti
Himalayas
Hungary
Chile
China
India
Indonesia
Iran
Israel
Italy
Jamaica
Japan
Java
Korea
Lebanon
Madagascar
Mexico
Morocco
Nepal
New Caledonia
New Zealand
North America
Norway
Paraguay
Peru
Portugal
Reunion
Russia
Scotland
Serbia
Siberia
Slovenia
South Africa
Spain
Sri Lanka
Switzerland
Thailand
Turkey
USA
Vietnam
West Indies