



PRODUCTLIST

THE QUALITY

PHARMACEUTICAL

Indena's Active Pharmaceutical Ingredients are produced in compliance with cGMPs and in pharmaceutical inspected plants, supported by CTD-DMFs.

HEALTH - FOOD

Indena's ingredients for food supplements are produced under Hazard Analysis and Critical Control Points (HACCP) and in compliance with Food Safety Modernization Act (FSMA)

H

HALAL
certified

K

KOSHER
certified

E

ECOCERT
validated

Co

COSMOS
validated

C

CEP
granted

G

GRAS: the product can be used as
an ingredient in common food [US]

HEALTH-FOOD INGREDIENTS DISCLAIMERS

Please note this documentation is available for various Countries all over the world and hence it may contain statements or product classification not applicable to your Country. The claims made are in reference to ingredients only, hence they do not refer to finished products and they may not comply with Regulation EC n. 1924/2006 or other provisions in place in your Country. These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease. Marketers of any finished product containing any ingredient are responsible for ensuring compliance with all applicable laws and regulations of Countries where the finished product is sold.

The ingredients described herein are offered for consideration for use in health-food, common food, pharmaceuticals and personal care.



OUR MISSION

At Indena we believe that an in-depth knowledge in active ingredients derived from botanicals and the search for excellence at all times are crucial commitments to serving our customers in pharmaceuticals, and healthfoods.

Research and production technologies are the main focus of our mission and the way we create a “value difference” for our partners.

And we’ve got 100 years of experience to prove it.

Excellence in botanical derivatives



INDENA
RESEARCHES,
DEVELOPS and
MARKETS
**ACTIVE
PRINCIPLES
and INGREDIENTS
DERIVED FROM
MEDICINAL
and EDIBLE
PLANTS**

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PHYTOSOME® IS A REGISTERED TRADEMARK



ISOLATED or SEMISYNTHETIC
PURE PRODUCTS

PURE MOLECULES ISOLATED OR DERIVED FROM PLANTS

	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	AJMALINE		<i>Rauvolfia vomitoria</i> Afz. - Root bark without rhytidoma
	BOLDINE		<i>Peumus boldus</i> Molina - Bark of the trunk
	CABAZITAXEL		<i>Taxus baccata</i> L. - Twig and leaf
	COLCHICINE PH. EUR.	C	<i>Gloriosa superba</i> L. - Seed
	COLCHICINE USP		<i>Gloriosa superba</i> L. - Seed
	COLCHICINE MICRONIZED		<i>Gloriosa superba</i> L. - Seed
	COLCHICOSIDE		<i>Gloriosa superba</i> L. - Seed
	10-DEACETYLBACCATIN III		<i>Taxus baccata</i> L. - Twig and leaf
	DOCETAXEL		<i>Taxus baccata</i> L. - Twig and leaf
	DOCETAXEL TRIHYDRATE		<i>Taxus baccata</i> L. - Twig and leaf
	18β-GLYCYRRHETINIC ACID - ENOXOLONE EUR. PH.		<i>Glycyrrhiza glabra</i> L. - Root
	GALANTHAMINE BROMIDRATE	C	<i>Narcissus pseudonarcissus</i> L. - Bulb
	PACLITAXEL	C	<i>Taxus x media</i> Rehder - Leaf and twig
	PACLITAXEL S	C	<i>Taxus baccata</i> L. - Leaf and twig

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ASSAY	BIOLOGICAL ACTIVITY
≥98.0% ≤ 102.0% by HPLC	Antiarrhythmic
≥98.5% ≤100.5% by potentiometry	Choleretic
≥97.5% ≤102.0% by HPLC	Antimitotic / Anticancer
≥97.0% ≤102.0% by potentiometry	Antigout
≥94.0% ≤101.0% by HPLC	Antigout
≥94.0% ≤101.0% by HPLC	Antigout
≥85.0% by HPLC	Chemical intermediate
≥96.0% by HPLC	Chemical intermediate
≥97.0% ≤102.0% by HPLC	Antimitotic / Anticancer
≥97.5% ≤102.0% by HPLC	Antimitotic / Anticancer
≥98.0% ≤101.0% by acidimetry	Anti-inflammatory
≥98.0% ≤102.0% by HPLC	Antialzheimer
≥97.0% ≤ 102.0% by HPLC	Antimitotic / Anticancer
≥97% ≤102% by HPLC	Antimitotic / Anticancer

PACKAGING MATERIALS :: Food grade polyethylene bags, multilayer bags :: Kraft type cardboard drums, metallic drums, polyethylene drums, polypropylene pails (UN approved drums are used for hazardous products)

ISOLATED or SEMISYNTHETIC
PURE PRODUCTS

PURE MOLECULES ISOLATED OR DERIVED FROM PLANTS
(continue)

	BRAND - ENGLISH NAME	BOTANICAL ORIGIN
■	PRAJMALINE	<i>Rauvolfia vomitoria</i> Afz. - Root bark
■	RESERPINE	<i>Rauvolfia vomitoria</i> Afz. - Root bark
■	RESERPINE USP	<i>Rauvolfia vomitoria</i> Afz. - Root bark
■	RESERPINE MICRONIZED	<i>Rauvolfia vomitoria</i> Afz. - Root bark
■	THIOLCHICOSIDE (crystallized from water)	<i>Gloriosa superba</i> L. - Seed
■	THIOLCHICOSIDE (crystallized from EtOH)	<i>Gloriosa superba</i> L. - Seed

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ASSAY	BIOLOGICAL ACTIVITY
≥98% ≤102% by potentiometry	Antiarrhythmic
≥99.0% ≤101.0% by potentiometry	Antihypertensive
≥97.0% ≤101.0% by HPLC	Antihypertensive
≥99.0% ≤101.0% by potentiometry	Antihypertensive
≥96.0% ≤102.0% by HPLC	Muscle relaxant
≥97.0% ≤102.0% by HPLC	Muscle relaxant

PACKAGING MATERIALS :: Food grade polyethylene bags, multilayer bags :: Kraft type cardboard drums, metallic drums, polyethylene drums, polypropylene pails (UN approved drums are used for hazardous products)

STANDARDIZED, PURIFIED or OTHER CHARACTERIZED DRY EXTRACTS

DRY EXTRACTS WITH REPRODUCIBLE CONTENT
OF CHARACTERISTIC CONSTITUENTS

	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	ALDER BUCKTHORN	K	<i>Rhamnus frangula</i> L. (syn. <i>Frangula alnus</i> Miller) Bark of stems and branches
	ARTICHOKE	HK	<i>Cynara cardunculus</i> L. - Leaves
	BILEAR® - ARTICHOKE	CH	<i>Cynara cardunculus</i> L. - Leaf
	PRODIGEST® ARTICHOKE AND GINGER		<i>Cynara cardunculus</i> L. - Leaf <i>Zingiber officinale</i> Roscoe - Rhizome
	BEANBLOCK® - BEAN		<i>Phaseolus vulgaris</i> L. - Seed
	MIRTOSELECT® - BILBERRY	HK	<i>Vaccinium myrtillus</i> L. - Fresh frozen fruit
	MYRTOCYAN® - BILBERRY	C	<i>Vaccinium myrtillus</i> L. - Fresh frozen fruit
	BLACK COHOSH	K	<i>Cimicifuga racemosa</i> (L.) Nutt. (syn. <i>Actaea racemosa</i> L.) Rhizome and root
	BOLDO	K	<i>Peumus boldus</i> L. - Leaf and bark
	BUTCHER'S BROOM	K	<i>Ruscus aculeatus</i> L. - Rhizome and root
	CASCARA SAGRADA	K	<i>Rhamnus purshiana</i> DC. - Bark of the trunk
	CENTEVITA® - CENTELLA ASIATICA	HECo	<i>Centella asiatica</i> (L.) Urban - Leaf
	CENTELLA ASIATICA SELECTED TRITERPENES		<i>Centella asiatica</i> (L.) Urban - Leaf

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ASSAY	BIOLOGICAL ACTIVITY
≥15.0% hydroxyanthracene heterosides calculated as glucofrangulin A	Laxative, Gut health
≥6.0 ≤12.0% of caffeoylquinic acids by HPLC	Cholesterol and Intestinal health
≥0.3% flavonoids expressed as luteolin-7-O-glucoside, ≥2.5% caffeoylquinic acid expressed as chlorogenic acid, ≥0.6% chlorogenic acid by HPLC	Cholesterol and Intestinal health
Artichoke extract: ≥28.0 ≤34.0% by HPLC Ginger extract: ≥6.0% ≤7.0% by HPLC	Gut/Digestive health
≥6.0% as alpha amylase inhibitor by HPLC; 1,100 U/mg of alpha amylase inhibiting activity; 30,000 HAU/g of hemagglutinating activity by spectroph./enzym.	Appetite regulator, Healthy blood sugar metabolism
≥36.0% of anthocyanins by HPLC	Eye health, Capillarotropic, Antioxidant activity
≥32.4% ≤39.6% of anthocyanins by HPLC, 1% anthocyanidins by HPLC	Venous insufficiency and capillar fragility
≥5% of total triterpenic glycosides	Menopause
≥0.05% of boldin by TLC; ≤0.2% of total alkaloids by acidometry	Choleretic agent, digestive health
≥9.0% ≤11.0% of saponins calculated as ruscogenins by spectrophotometry	Vasoprotectant, Capillarotropic
≥20.0% ≤25.0% of cascarosides expressed as cascaroside A by spectrophotometry	Laxative, Gut health
≥45.0% of the sum of asiaticoside, madecassoside, asiatic and madecassic acids by HPLC	Antioxidant activity, Collagen restructurant
≥36.0% ≤44.0% of asiaticoside, ≥56.0% ≤64.0% of genins as sum of asiatic acid and madecassic acid by HPLC	Antiwrinkles, Stretchmarks improver

PACKAGING MATERIALS :: Food
grade polyethylene bags, multilayer
bags :: Kraft type cardboard drums,
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polypropylene pails (UN approved
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STANDARDIZED, PURIFIED or OTHER CHARACTERIZED DRY EXTRACTS

DRY EXTRACTS WITH REPRODUCIBLE CONTENT
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(continue)

	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	CHAMOMILE	K	<i>Matricaria chamomilla</i> L. (syn. <i>Matricaria recutita</i> L.) Flowering head, ligula
	ANTHOCRAN® - CRANBERRY		<i>Vaccinium macrocarpon</i> Ait. - fruit
	DEVIL'S CLAW (100% <i>procumbens</i>)	H	<i>Harpagophytum procumbens</i> DC. - Root
	DEVIL'S CLAW	H	<i>Harpagophytum procumbens</i> DC. & <i>zeyheri</i> Decne - Root
	IMMUNOSELECT® ECHINACEA ANGUSTIFOLIA	K	<i>Echinacea angustifolia</i> DC. - Root
	POLINACEA® ECHINACEA ANGUSTIFOLIA		<i>Echinacea angustifolia</i> DC. - Root
	ECHINACEA PURPUREA		<i>Echinacea purpurea</i> (L.) Moench - Root
	ELEUTHEROCOCCUS	H	<i>Eleutherococcus senticosus</i> (Rupr. & Maxim) Maxim - Root
	ESCIN		<i>Aesculus hippocastanum</i> L. - Seed
	ESCIN FREE ACID		<i>Aesculus hippocastanum</i> L. - Seed
	GINKGOSELECT® GINKGO BILOBA	H	<i>Ginkgo biloba</i> L. - Leaf
	GINKGO BILOBA HF ETHANOLIC EXTRACT	H	<i>Ginkgo biloba</i> L. - Leaf
	VIRTIVA® - GINKGO BILOBA PHOSPHATIDYLSERINE	H	<i>Ginkgo biloba</i> L. - Leaf

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ASSAY	BIOLOGICAL ACTIVITY
≥1.2% of total apigenin by HPLC	Spasmolytic, Soothing
≥27.0% ≤33.0% of of proanthocyanidins by spectrophotometry (DMAC method)	Urinary tract health
≥1.8% ≤2.2% of harpagoside by HPLC	Joint health
≥1.8% ≤2.2% of harpagoside by HPLC	Joint health
≥4.0% of echinacoside by HPLC	Immune system health, Antioxidant activity
≥2.0% of echinacoside by HPLC, ≥5.0% of IDN 5405, ≤0.1% of isobutylamides	Immune system health
≥0.8% of caftaric, chicoric, chlorogenic acids and echinacoside by HPLC	Immune system health
≥0.5% of eleutheroside E by HPLC	Immunomodulator, Immune system health
≥97.0% ≤103% by potentiometry	Antioedema, Capillarotropic
≥95.0% by potentiometry	Antioedema, Capillarotropic
≥24.0% of ginkgoflavonglucosides, ≥6.0% as a sum of ginkgolides A, B, C, ≤5.0 ppm of total ginkgolic acids by HPLC	Blood circulation health
≥24.0% of ginkgoflavonglucosides, ≥6.0% as sum of ginkgolides A, B,C and bilobalide, ≤5.0 ppm of total ginkgolic acids by HPLC	Cognition and circulation health, Antioxidant activity
≥5.0% of ginkgoflavonglucosides, ≥0.5% of ginkgoterpenes, ≥12.0% of phosphatidylserine by HPLC	Cognitive health

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	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	GINKGO BILOBA EUR. PH.	C	<i>Ginkgo biloba</i> L. - Leaf
	GINSENG Re >1%		<i>Panax ginseng</i> C.A. Meyer - Root
	GINSENG 1%		<i>Panax ginseng</i> C.A. Meyer - Root
 	GINSENG 10%		<i>Panax ginseng</i> C.A. Meyer - Root
	GINSENG 10%	HK	<i>Panax ginseng</i> C.A. Meyer - Root
	GINSENG 18-22%	K	<i>Panax ginseng</i> C.A. Meyer - Root
 	GINSENG 27-30%	H	<i>Panax ginseng</i> C.A. Meyer - Root
 	GINSELECT® - GINSENG IDB	H	<i>Panax ginseng</i> C.A. Meyer - Root
	RED LEAF GRAPE	H	<i>Vitis vinifera</i> L. - Leaf
	LEUCOSELECT® GRAPE SEED EXTRACT	HK	<i>Vitis vinifera</i> L. - Seed
	ENOVITA® GRAPE SEED EXTRACT	GHKCo	<i>Vitis vinifera</i> L. - Seed
	GRAPE SEED MONOMERS		<i>Vitis vinifera</i> L. - Seed
	GREENSELECT® - GREEN TEA	K	<i>Camellia sinensis</i> (L.) Kuntze - Leaf

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ASSAY	BIOLOGICAL ACTIVITY
≥22.0% ≤27.0% of flavonoids, ≥2.6% ≤3.2% of bilobalide, ≥2.8% ≤3.4% of ginkgolides A,B,C, ≤5.0 ppm of ginkgolic acids by HPLC	Blood circulation health
≥10.0% of total ginsenosides; ≥1.0% of ginsenoside Re by HPLC	Adaptogen, Tonic
≥1.0% of total ginsenosides by HPLC	Adaptogen, Tonic
≥9.0% ≤11.0% of total ginsenosides by HPLC	Adaptogen, Tonic
≥8.0% ≤12.0% of total ginsenosides by HPLC	Adaptogen, Tonic
≥18.0% ≤22.0% of total ginsenosides and malonylginsenosides by HPLC	Adaptogen, Tonic
≥27.0% ≤30.0% of saponins by spectrophotometry; ≥20.0% of total ginsenosides by HPLC	Adaptogen, Tonic
≥7.0% of ginsenosides and malonylginsenosides, ≥0.9% ≤1.4% of Rg1, ≥1.7% ≤3.0% of Rb1 by HPLC	Adaptogen, Tonic
≥3.0% of total flavonoids (isoquercitrin, quercetin-3-O-β-D-glucuronide and kaempferol-3-O-glucoside) by HPLC; ≥0.3% of anthocyanins by spectrophotometry	Antioxidant activity, Capillarotropic
≥95.0% ≤105.0% of proanthocyanidins by GPC; ≥13.0% ≤19.0% of catechin and epicatechin by HPLC	Antioxidant activity, Capillarotropic
≥95.0% of proanthocyanidins by spectrophotometry, ≥5.0% ≤15.0% of catechin and epicatechin by HPLC	Antioxidant activity, Capillarotropic
≥20.0% ≤30.0% of monomers (catechin and epicatechin), ≥20.0% of dimers by HPLC	Antioxidant activity, Capillarotropic
≥60.0% of total polyphenols, ≥40.0% of (-)-epigallocatechin-3-O-gallate, ≤0.1% of caffeine by HPLC	Antioxidant activity

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	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	GREEN TEA	H	<i>Camellia sinensis</i> (L.) Kuntze - Leaf
	GUARANA	K	<i>Paullinia cupana</i> Kunth - Seed
	HAWTHORN	K	<i>Crataegus</i> spp. - Leaf and flower
	HEDGE MUSTARD	H	<i>Sisymbrium officinale</i> (L.) Scop. - Aerial part
	HOPS	H	<i>Humulus lupulus</i> L. - Strobile (dried female inflorescences)
	HORSE CHESTNUT	K	<i>Aesculus hippocastanum</i> L. - Seed
	HORSE CHESTNUT BARK DRY EXTRACT	K	<i>Aesculus hippocastanum</i> L. - Bark of branch
	HORSETAIL	H	<i>Equisetum arvense</i> L. - Sterile aerial part
	IVY DRY HYDROALCOHOLIC EXT. 5%	K	<i>Hedera helix</i> L. - Leaf
	IVY DRY HYDROALCOHOLIC EXT. 10%	K	<i>Hedera helix</i> L. - Leaf
	LEMON BALM	K	<i>Melissa officinalis</i> L. - Leaf
	LINDEN TREE	K	<i>Tilia cordata</i> Mill. / <i>Tilia platyphyllos</i> Scop. / <i>Tilia x vulgaris</i> Heyne - Inflorescence
	LYMPHASELECT® - MELILOTUS	H	<i>Melilotus officinalis</i> (L.) Pall. (Homonym <i>Melilotus officinalis</i> (L.) Lam.) - Aerial part
	MILLET	H	<i>Panicum miliaceum</i> L. - Seed

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



ASSAY	BIOLOGICAL ACTIVITY
≥40.0% of total polyphenols by spectrophotometry, ≥15.0% of total catechin expressed as epigallocatechin-3-O-gallate, 6% of epigallocatechin-3-O-gallate; 5.0% of caffeine by HPLC	Tonic, Body weight balance, Antioxidant activity
≥11.0% ≤13.0% of total alkaloids by HPLC	Tonic, Mild diuretic, Lipolytic
≥1.8% of vitexin-2''-O-rhamnoside by spectrophotometry	Cardiovascular health, Antioxidant activity
≥1.0% of glucosinolates by HPLC	Throat and upper respiratory tract health
≥0.3% of flavonoids by HPLC	Healthy mood
≥16.0% ≤22.0% of saponins expressed as escin by spectrophotometry	Antioedema, Capillarotropic
≥20.0% of esculoside, esculetin, fraxetin and fraxin by HPLC	Capillarotropic
≥2.6% ≤3.2% of silica and ≥0.8% of total flavonoids expressed as isoquercetin by spectrophotometry	Hair and nail health
≥5.0% of hederacoside C by HPLC	Capillarotropic, Throat and upper respiratory tract health
≥10.0% of hederacoside C by HPLC	Capillarotropic, Throat and upper respiratory tract health
≥10.0% of hydroxycinnamic derivates calculated as rosmarinic acid	Healthy mood
≥0.5% of flavonoids by HPLC	Spasmolytic, Healthy mood, Antioedema
≥17.0% ≤20.0% of coumarin by HPLC	Lymphatic circulation health
≥7.0% ≤10.0% of fatty acids by GC; ≥40.0% ≤60.0% of methionine by HPLC	Tonic

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	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	OLEASELECT® - OLIVE	HK	<i>Olea europaea</i> L. - Fruit
	OPEXTAN® - OLIVE	GHK	<i>Olea europaea</i> L. - Fruit
	PASSION FLOWER 2%	K	<i>Passiflora incarnata</i> L. - Aerial part
	PASSION FLOWER 4%	K	<i>Passiflora incarnata</i> L. - Aerial part
	RHODIOLA 3%		<i>Rhodiola rosea</i> L. - Root
	RHODIOLA 5%		<i>Rhodiola rosea</i> L. - Root
	RHUBARB 5%	K	<i>Rheum palmatum</i> L., <i>Rheum officinale</i> Baill. - Rhizome and root
	RHUBARB 10%	K	<i>Rheum australe</i> D. Don (syn. <i>Rheum emodi</i> Wall. ex Meisn.) - Rhizome and root
	RUSCOGENINS 60%		<i>Ruscus aculeatus</i> L. - Rhizome and root
	RUSCOGENINS		<i>Ruscus aculeatus</i> L. - Rhizome and root
	SENNOSIDES ACID 45%		<i>Cassia angustifolia</i> Vahl. - Leaf
	SENNOSIDES 45% S		<i>Cassia angustifolia</i> Vahl. - Leaf
	SILYMARIN	K	<i>Silybum marianum</i> (L.) Gaertn. Fruit without pappum
	ST. JOHN'S WORT	C	<i>Hypericum perforatum</i> L. - Flowering top

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ASSAY	BIOLOGICAL ACTIVITY
≥15% of hydroxytyrosol, ≥5.0% of verbascoside by HPLC	Antioxidant activity, Cardiovascular health
≥10.0% of total polyphenols by spectrophotometry; ≥2.0% ≤3.5% of verbascoside, ≥4.5% of hydroxytyrosol and its derivatives by HPLC	Antioxidant activity, Cardiovascular health, UV protectant
≥2.0% of flavonoids as vitexin by spectrophotometry	Healthy mood
≥4.0% of flavonoids as vitexin by spectrophotometry	Healthy mood
≥3.0% ≤4.0% of total rosavins; ≥1.0% ≤2.0% of salidroside by HPLC	Adaptogen, Tonic
≥5.0% of total rosavins; ≥1.8% of salidroside by HPLC	Adaptogen, Tonic
≥5.0% ≤6.1% of hydroxyanthracenics derivates expressed as rhein calculated on dried extract	Eupeptic, Laxative, Gut health
≥9.0% ≤11.0% of total anthraquinones calculated as aloe-emodin	Eupeptic, Laxative, Gut health
≥60.0% ≤73.0% of ruscogenins + neoruscogenins by HPLC	Antihaemorrhoidal, Venotropic
≥95.0% ≤103.0% of ruscogenins, ≥65.0% ≤80.0% neoruscogenin, ≥20.0% ≤35.0% ruscogenin by HPLC	Antihaemorrhoidal, Venotropic
≥42.0% ≤56.0% of hydroxyanthracene glycosides, calculated as sennoside B by spectrophotometry; ≥38.0% ≤44.0% of sennosides, calculated as sum of Sennoside A and Sennoside B by HPLC	Laxative
≥42.5% ≤47.5% of hydroxyanthracene glycosides, calculated as sennoside B by spectrophotometry	Laxative
≥50.0% ≤60.0% of silymarin calculated as silybin by HPLC according to Ph. Eur. (corresponding to NTL 65% according to DAB 10 ≥30.0% by spectrophotometry)	Liver diseases, Healthy liver, Antioxidant activity
≥0.10% ≤0.30% of total hypericin, ≥6.0% of flavonoids, ≤6.0% of hyperforin by HPLC	Antidepressant

PACKAGING MATERIALS :: Food grade polyethylene bags, multilayer bags :: Kraft type cardboard drums, metallic drums, polyethylene drums, polypropylene pails (UN approved drums are used for hazardous products)

STANDARDIZED, PURIFIED or OTHER CHARACTERIZED DRY EXTRACTS

DRY EXTRACTS WITH REPRODUCIBLE CONTENT
OF CHARACTERISTIC CONSTITUENTS
(continue)

	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	ST. JOHNSELECT® ST. JOHN'S WORT		<i>Hypericum perforatum</i> L. - Flowering top
	VALERIAN EXTRACT	KC	<i>Valeriana officinalis</i> L. - Rhizome and root
	VALEROSELECT® - VALERIAN EXTRACT	KC	<i>Valeriana officinalis</i> L. - Rhizome and root
	WILLOW BARK	H	<i>Salix spp.</i> - Twig and bark
	MITIDOL® ZINGIBER AND ACMELLA		<i>Zingiber officinale</i> Roscoe - Rhizome <i>Acmella oleracea</i> L. - Flowering head

PHARMACEUTICAL

Indena's Active Pharmaceutical Ingredients are produced in compliance with cGMPs and in pharmaceutical inspected plants, supported by CTD-DMFs.

HEALTH - FOOD

Indena's ingredients for food supplements are produced under Hazard Analysis and Crytical Control Points (HACCP) in authorized areas.

H
: HALAL
: certified

K
: KOSHER
: certified

E
: ECOCERT
: validated

Co
: COSMOS
: validated

C
: CEP
: granted

G
: GRAS: the product can be used as
: an ingredient in common food (US)









ASSAY	BIOLOGICAL ACTIVITY
≥0.3% of hypericin like substances by spectrophotometry, ≥3.0% of hyperforin by HPLC	Healty mood
≥0.25% of sesquiterpenic acids, expressed as valerenic acid, calculated on the anhydrous substance by HPLC	Sleep disorders, Healthy mood
≥0.8% of valerenic acids by HPLC	Sleep disorders, Healthy mood
≥15.0% of salicin by HPLC	Healty inflammatory response, Joint health
≥9.6% ≤11.8% Zingiber officinale CO ₂ standardized extract ≥1.9% ≤2.4% <i>Acmella oleracea</i> standardized extract	Ache relief

PACKAGING MATERIALS :: Food
grade polyethylene bags, multilayer
bags :: Kraft type cardboard drums,
metallic drums, polyethylene drums,
polypropylene pails (UN approved
drums are used for hazardous products)

CHARACTERIZED, STANDARDIZED OILY and SOFT EXTRACTS

OILY / SOFT EXTRACTS WITH REPRODUCIBLE CONTENT
OF CHARACTERISTIC CONSTITUENTS

	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	OMEGABLUE® - BILBERRY SEED	ECo	<i>Vaccinium myrtillus</i> L. - Seeds
	PRUNUS PYGEUM AFRICANUM		<i>Prunus africana</i> (Hook. F.) Kalkm. (syn. Pygeum africanum Hook. f.) - Bark
	CHINESE RHUBARB SOFT AQUEOUS EXTRACT		<i>Rheum palmatum</i> L. - Rhizome and Root
	SABALSELECT® SAW PALMETTO CO ₂ EXTRACT	K	<i>Serenoa repens</i> (Bartr.) Small - Fruit
	SAW PALMETTO CO ₂ EXTRACT		<i>Serenoa repens</i> (Bartr.) Small - Fruit
	SAW PALMETTO ALCOHOLIC EXTRACT	KC	<i>Serenoa repens</i> (Bartr.) Small - Fruit

PHARMACEUTICAL

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HEALTH - FOOD

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H HALAL
certified

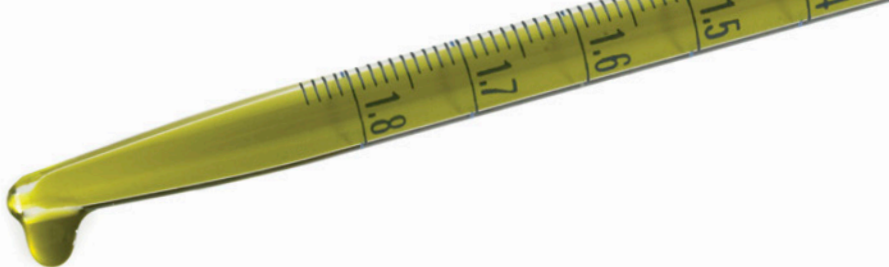
K KOSHER
certified

E ECOCERT
validated

Co COSMOS
validated

C CEP
granted

G GRAS: the product can be used as
an ingredient in common food (US)



ASSAY

≥80.0% total fatty acids by GC; ≥50% total polyunsaturated fatty acids by GLC

≥13% of total sterols by spectrophotometry

≥1.0% of anthraquinones as aloe-emodin by spectrophotometry

≥85.0% ≤95.0% of fatty acids, ≥0.15% ≤0.3% of fatty alcohols,
≥0.2% ≤0.4% of total sterols, ≥0.1% ≤0.3% of β-sitosterol by GC

≥80.0% of total fatty acids, ≥23.0% of lauric acid,
≥0.20% of total sterols as β-sitosterol, ≥0.10% of β-sitosterol by GC

≥80.0% of total fatty acids, ≥23.0% of lauric acid,
≥0.20% of total sterols as β-sitosterol, ≥0.10% of β-sitosterol by GC

BIOLOGICAL ACTIVITY

Cholesterol health

Healthy prostate and bladder function

Laxative, Gut health

Healthy prostate and bladder function

Antiandrogen, Anti-BPH

Antiandrogen, Anti-BPH,
Healthy prostate and bladder function

PACKAGING MATERIALS :: Food grade polyethylene bags, multilayer bags :: Kraft type cardboard drums, metallic drums, polyethylene drums, polypropylene pails (UN approved drums are used for hazardous products)

PHYTOSOME®

INGREDIENTS WITH OPTIMIZED BIOAVAILABILITY

	BRAND - ENGLISH NAME		BOTANICAL ORIGIN
	CASPEROME® BOSWELLIA PHYTOSOME®		<i>Boswellia serrata</i> Roxb. ex Colebr. - Resin
	GINKGOSELECT® PHYTOSOME® GINKGO BILOBA PHYTOSOME®	K	<i>Ginkgo biloba</i> L. - Leaf
	GREENSELECT® PHYTOSOME® GREEN TEA PHYTOSOME®	HK	<i>Camellia sinensis</i> (L.) O. Kuntze - Leaf
	LEUCOSELECT® PHYTOSOME® GRAPE SEED PHYTOSOME®		<i>Vitis vinifera</i> L. - Seed
	REXATROL® RESVERATROL PHYTOSOME®		<i>Polygonum cuspidatum</i> Sieb. e Zucc. - Rhizome
	SILYMARIN PHYTOSOME®	K	<i>Silybum marianum</i> (L.) Gaertn. - Fruit
	SILIPHOS® SILYBIN PHYTOSOME®	HK	<i>Silybum marianum</i> (L.) Gaertn. - Fruit
	MERIVA® TURMERIC PHYTOSOME®	HK	<i>Curcuma longa</i> L. - Rhizome
	UBIQSOME® COENZYME Q10 PHYTOSOME®		-
	VAZGUARD™ BERGAMOT PHYTOSOME®		<i>Citrus bergamia</i> Risso & Poit. - Fruit juice
	QUERCEFIT™ QUERCETIN PHYTOSOME® SF/MD		<i>Sophora japonica</i> L. - Flowering head

PHARMACEUTICAL

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ASSAY	BIOLOGICAL ACTIVITY
≥25.0% of boswellic acids by HPLC	Healthy inflammatory response, Joint health, Gut health
≥7.0% of ginkgoflavonglucosides, ≥2.0% of ginkgoterpenes, ≥0.8% of ginkgolides, ≤5 ppm of total ginkgolic acids by HPLC	Cognition and circulation health, Antioxidant activity, Vasokinetic
≥19.0% ≤25.0% of polyphenols expressed as (-)-epigallocatechin-3-O-gallate, ≥13.0% of (-)-epigallocatechin-3-O-gallate, ≤0.1% of caffeine by HPLC	Body weight balance, Antioxidant activity
≥25.0% ≤30.0% of proanthocyanidins by GPC	Cardiovascular health, UV protectant, Antioxidant activity
≥30.0% of resveratrol by HPLC	Antioxidant activity
≥15.0% ≤20.0% of flavolignans calculated as silybin by HPLC	Healthy liver, Antioxidant activity, UV protectant
≥29.7% ≤36.3% of silybin by HPLC	Healthy liver, Retinoic acid-like activity
≥18.0% ≤22.0% of curcuminoids by HPLC	Joint health, Healthy inflammatory response
≥18.0% ≤22.0% of coenzyme Q10 by HPLC	cells bioenergetics support, sports nutrition, healthy ageing, heart & cardiovascular health, brain health
≥11.0% ≤19.0% of total flavanols by HPLC	Healthy blood levels
≥34.0% ≤42.0% of quercetin by HPLC	Sports nutrition, antioxidant activity

PACKAGING MATERIALS :: Food grade polyethylene bags, multilayer bags :: Kraft type cardboard drums, metallic drums, polyethylene drums, polypropylene pails (UN approved drums are used for hazardous products)



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