

PRODUCT LIST NUTRACEUTICALS





NUTRACEUTICALS

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

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 nutraceuticals.

Research and production technologies are the main focus of our mission and the way we create a "value difference"

Excellence in botanical derivatives

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

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)

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 nutraceuticals.

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STANDARDIZED, PURIFIED or **OTHER CHARACTERIZED DRY EXTRACTS**

DRY EXTRACTS WITH REPRODUCIBLE CONTENT OF CHARACTERISTIC CONSTITUENTS

CHARACTERIZED, STANDARDIZED OILY and SOFT EXTRACTS

OILY / SOFT EXTRACTS WITH REPRODUCIBLE CONTENT OF CHARACTERISTIC CONSTITUENTS



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INDENA PHYTOSOMETM PRODUCTS FORMULATED WITH INDENA'S MULTI-TALENTED TECHNOLOGY PLATFORM

DRY EXTRACTS WITH REPRODUCIBLE CONTENT OF CHARACTERISTIC CONSTITUENTS

KOSHER CERTIFIED **K**

GRAS GRAS THE PRODUCT CAN BE USED AS AN INGREDIENT IN COMMON FOOD (US)

BRAND - ENGLISH NAME		BOTANICAL ORIGIN	ASSAY
ACMELAIN ™ ACMELLA		<i>Acmella oleracea</i> (L.) R.K.Jansen [syn: <i>Spilanthus acmella</i> (L.)] - Flowering aerial parts	2.5 - 3-5% of total alkylamides by HPLC
CINARAN® ARTICHOKE		<i>Cynara cardunculus</i> L Leaf	≥4.0 ≤7.0% of chlorogenic acid by HPLC
ARTICHOKE	н	<i>Cynara cardunculus</i> L Leaf	≥6.0 ≤12.0% of caffeoylquinic acids by HPLC
ARTICHOKE	к	<i>Cynara cardunculus</i> L Leaf	≥1.1 of chlorogenic acid by HPLC
BILEAR® ARTICHOKE	н	<i>Cynara cardunculus</i> L Leaf	≥0.3% flavonoids expressed as luteolin-7-0-glucoside, ≥2.5% caffeoylquinic acid expressed as chlorogenic acid, ≥0.6% chlorogenic acid by HPLC
PYCRINIL® H	нк	<i>Cynara cardunculus</i> L Leaf	≥20.0% of caffeoylquinic acids, ≥5.0% of total flavonoids, ≥5.0% of cynaropicrin by HPLC
PRODIGEST [®] ARTICHOKE AND GINGER		<i>Cynara cardunculus</i> L Leaf <i>Zingiber officinale</i> Roscoe - Rhizome	Artichoke extract: ≥28.1 ≤34.4% by HPLC Ginger extract: ≥6.2% ≤7.6% by HPLC
BEANBLOCK [®] H	нк	<i>Phaseolus vulgaris</i> L Seed	≥6.0% as alpha amylase inhibitor by HPLC; ≥ 1,100 U/mg of alpha amylase inhibiting activity; ≤ 30,000 HAU/g of hemagglutinating activity
MIRTOSELECT®	нк	<i>Vaccinium myrtillus</i> L Fresh frozen fruit	≥36.0% of anthocyanins, ≤ 1% anthocyanidins by HPLC
BLACK COHOSH	к	<i>Cimicifuga racemosa</i> (L.) Nutt. (syn. <i>Actaea racemosa</i> L.) Rhizome and root	≥2.5% of total triterpenic glycoside by UV

BIOLOGICAL ACTIVITY

Ache relief

Cholesterol and Intestinal health

Cholesterol and Intestinal health

Cholesterol and Intestinal health

Cholesterol and Intestinal health

Gut/Digestive health

Appetite regulator, Healthy blood sugar metabolism

Brain health, Eye health, Capillarotropic, Antioxidant activity

Menopause support

DRY EXTRACTS WITH REPRODUCIBLE CONTENT OF CHARACTERISTIC CONSTITUENTS

KOSHER CERTIFIED **K**

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BRAND - ENGLISH NAME	BOTANICAL ORIGIN	ASSAY
BLACK COHOSH K	<i>Cimicifuga racemosa</i> (L.) Nutt. (syn. <i>Actaea racemosa</i> L.) Rhizome and root	≥5% of total saponins by HPLC
BUTCHER'S BROOM K	<i>Ruscus aculeatus</i> L Rhizome and root	≥9.0% ≤11.0% of saponins calculated as ruscogenins by spectrophotometry
CASCARA SAGRADA K	Rhamnus purshiana DC Bark of the trunk	≥20.0% ≤25.0% of cascarosides expressed as cascaroside A by spectrophotometry
CENTEVITA® HK CENTELLA ASIATICA	<i>Centella asiatica</i> (L.) Urban - Leaf	≥45.0% of the sum of asiaticoside, madecassoside, asiatic and madecassic acids by HPLC
CHAMOMILE K	<i>Matricaria chamomilla</i> L. (syn. <i>Matricaria recutita</i> L.) Flowering head, ligula	≥1.2% of total apigenin by HPLC
ANTHOCRAN [®] HK CRANBERRY	<i>Vaccinium macrocarpon</i> Ait fruit	≥27.0% ≤33.0% of proanthocyanidins by spectrophotometry (DMAC method)
IMMUNOSELECT [®] K ECHINACEA ANGUSTIFOLIA	Echinacea angustifolia DC Root	≥4.0% of echinacoside by HPLC
POLINACEA® ECHINACEA ANGUSTIFOLIA	Echinacea angustifolia DC Root	≥2.0% of echinacoside by HPLC, ≥5.0% of polysaccharide IDN 5405, ≤0.1% of isobutylamides
GINKGOSELECT [®] HK GINKGO BILOBA	Ginkgo biloba L Leaf	≥24.0% of ginkgoflavonglucosides, ≥6.0% as a sum of ginkgolides A, B C, ≤5.0 ppm of total ginkgolic acids by HPLC
GINKGOSELECT® PLUS ETHANOLIC EXTRACT	Ginkgo biloba L Leaf	≥22.0% ≤27.0% of ginkgoflavoglucosides, ≥4.0% ≤8.0% as sum of ginkgolides A, B,C and bilobalide, ≤5.0 ppm of total ginkgolic acids by HPLC



BIOLOGICAL ACTIVITY

Menopause support

Vasoprotectant, Capillarotropic

Gut health

Antioxidant activity, Collagen restructurant

Soothing

Urinary tract health

Immune system health, Antioxidant activity

Immune system health

, ^{B,} Blood circulation health

Cognition and circulation health, Antioxidant activity

DRY EXTRACTS WITH REPRODUCIBLE CONTENT OF CHARACTERISTIC CONSTITUENTS

HALAL CERTIFIED	Η
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KOSHER CERTIFIED **K**

GRAS GRAS INGREDIENT IN COMMON FOOD (US)

BRAND - ENGLISH NAME		BOTANICAL ORIGIN	ASSAY	BIOLOGICAL ACTIVITY
VIRTIVA® PLUS GINKGO BILOBA PHOSPHATIDYLSERINE	нк	<i>Ginkgo biloba</i> L Leaf	≥5.0% of ginkgoflavonglucosides, ≥0.5% of ginkgoterpenes, ≥12.0% of phosphatidylserine by HPLC	Brain health, Cognitive health
GINSENG 2%		<i>Panax ginseng</i> C.A. Meyer - Root	≥2.0% of total ginsenosides by spectrophotometry	Tonic
GINSENG 10%	нк	<i>Panax ginseng</i> C.A. Meyer - Root	≥8.0% ≤12.0% of total ginsenosides and malonylginsenosides by HPLC	Tonic
GINSENG 20%	к	<i>Panax ginseng</i> C.A. Meyer - Root	≥18.0% ≤22.0% of total ginsenosides and malonylginsenosides by HPLC	Tonic
GINSENG 27-30%	н	<i>Panax ginseng</i> C.A. Meyer - Root	≥27.0% ≤30.0% of saponins by spectrophotometry; ≥20.0% of total ginsenosides by HPLC	Tonic
LEUCOSELECT [®] GRAPE SEED EXTRACT	нк	<i>Vitis vinifera</i> L Seed	≥95.0% ≤105.0% of proanthocyanidins by GPC; ≥13.0% ≤19.0% of catechin and epicatechin by HPLC	Antioxidant activity, Capillarotropic
ENOVITA [®] GRAPE SEED EXTRACT	бнк	<i>Vitis vinifera</i> L Seed	≥95.0% of proanthocyanidins by spectrophotometry, ≥5.0% ≤15.0% of catechin and epicatechin by HPLC	Brain health, Antioxidant activity, Capillarotropic
GRAPE SEED MONOMERS	н	<i>Vitis vinifera</i> L Seed	≥20.0% ≤30.0% of monomers (catechin and epicatechin), ≥20.0% of dimers by HPLC	Antioxidant activity, Capillarotropic
GREENSELECT [®] GREEN TEA	к	<i>Camellia sinensis</i> (L.) Kuntze - Leaf	≥60.0% of catechins, ≥40.0% of (-)-epigallocatechin-3-0-gallate, ≤0.1% of caffeine by HPLC	Antioxidant activity
GREEN TEA	Н	<i>Camellia sinensis</i> (L.) Kuntze - Leaf	≥30.0% of total polyphenols by spectrophotometry	Tonic, Body weight balance, Antioxidant activity

DRY EXTRACTS WITH REPRODUCIBLE CONTENT OF CHARACTERISTIC CONSTITUENTS

KOSHER CERTIFIED K

GRAS GRAS HE PRODUCT CAN BE USED AS AN INGREDIENT IN COMMON FOOD (US)

BRAND - ENGLISH NAME		BOTANICAL ORIGIN	ASSAY
HAWTHORN	К	<i>Crataegus</i> spp Leaf and flower	≥1.8% of vitexin-2"-0-rhamnoside by spectrophotometry
HEDGE MUSTARD	Н	<i>Sisymbrium officinale</i> (L.) Scop Aerial part	≥1.0% of glucosinolates by HPLC
HORSE CHESTNUT	К	<i>Aesculus hippocastanum</i> L Seed	≥16.0% ≤22.0% of saponins by spectrophotometry or 6.5-10-0% of total triterpene glycosides expressed as protoaescigenin (dried extract) acc.to Ph. Eur #1829 by HPLC
IVY 5% DRY HYDROALCOHOLIC EXT. 5%	К	<i>Hedera helix</i> L Leaf	≥5.0% of hederacoside C by HPLC
IVY 10% DRY HYDROALCOHOLIC EXT. 10%	К	<i>Hedera helix</i> L Leaf	≥10.0% of hederacoside C by HPLC
LEMON BALM	К	<i>Melissa officinalis</i> L Leaf	≥10.0% of hydroxycinnamic derivates calculated as rosmarinic acid ≥2.0% of rosmarinic acid by HPLC
LINDEN TREE	К	<i>Tilia cordata</i> Mill. <i>/ Tilia platyphyllos</i> Scop. / <i>Tilia x vulga-</i> <i>ris</i> Heyne- Inflorescence	≥0.5% of flavonoids by HPLC
LYMPHASELECT [®] MELILOTUS	К	<i>Melilotus officinalis</i> (L.) Pall. (Homonym <i>Melilotus officinalis</i> (L.) Lam.) - Aerial part	≥17.0% ≤20.0% of coumarin by HPLC
OPEXTAN® GI	нк	<i>Olea europaea</i> L Fruit	≥10.0% of total polyphenols by spectrophotometry; ≥2.0% ≤3.5% of verbascoside, ≥4.5% of hydroxytyrosol and its derivatives by HPLC
PASSION FLOWER	к	Passiflora incarnata L Aerial part	≥1.5% of flavonoids as isovitexin acc.to Ph. Eur #1882 by LC



BIOLOGICAL ACTIVITY

Cardiovascular health, Antioxidant activity

Throat and upper respiratory tract health

Capillarotropic

Capillarotropic, Throat and upper respiratory tract health

Capillarotropic, Throat and upper respiratory tract health

Tonic

Spasmolytic, Healthy mood, Antioedema

Lymphatic circulation health

Antioxidant activity, Cardiovascular health, UV protectant

Healthy mood

DRY EXTRACTS WITH REPRODUCIBLE CONTENT OF CHARACTERISTIC CONSTITUENTS

KOSHER CERTIFIED **K**

GRAS GRAS GRAS IN THE PRODUCT CAN BE USED AS AN INGREDIENT IN COMMON FOOD (US)

BRAND - ENGLISH NAME	BOTANICAL ORIGIN	ASSAY
PASSION FLOWER 4%	<i>Passiflora incarnata</i> L Aerial part	≥3.0% ≤5.0% of flavonoids as isovitexin acc.to Ph. Eur #1882 by LC
MILLET H	Panicum miliaceum L Seed	≥3.0% of fatty acids by GC
RHODIOLA 3% H	<i>Rhodiola rosea</i> L Root	≥3.0% ≤4.0% of total rosavins; ≥1.0% ≤2.0% of salidroside by HPLC
RHUBARB 10% K	<i>Rheum australe</i> D. Don (syn. <i>Rheum emodi</i> Wall. ex Mei- sn.) - Rhizome and root	≥9.0% of total anthraquinones calculated as aloe-emodin by spectrophotometry
SILYMARIN K	<i>Silybum marianum</i> (L.) Gaertn. Fruit without pappum	Extraction solvent: ethyl acetate or ethanol ≥50.0% ≤60.0% of silymarin calculated as silybin by HPLC according to Ph. Eur. (corresponding to NTL 80% of flavonoids as silibinin monohydrate by spectrophotometry)
VALERIAN EXTRACT K	<i>Valeriana officinalis</i> L Rhizome and root	≥0.25% of sesquiterpenic acids, expressed as valerenic acid, calculated on the anhydrous substance by HPLC
VALEROSELECT [®] K	<i>Valeriana officinalis</i> L Rhizome and root	≥0.25% of sesquiterpenic acids, expressed as valerenic acid, calculated on the anhydrous substance; ≥0.8 - 1.0% of valerenic acids by HPLC
MITIDOL® ZINGIBER AND ACMELLA	<i>Zingiber officinale</i> Roscoe - Rhizome <i>Acmella oleracea</i> (I) R.K. Jensen - Aerial part	2.4-3.9% of gingerols and shogaols, 0.30-0.60% of spilanthol, 0.45-0.60% of total alkylamides



BIOLOGICAL ACTIVITY

Healthy mood

Tonic

Tonic

Gut health

Healthy liver, Antioxidant activity

Healthy mood, Sleep

Healthy mood, Sleep

Ache relief

CHARACTERIZED, STANDARDIZED OILY AND SOFT EXTRACTS

OILY / SOFT EXTRACTS WITH REPRODUCIBLE CONTENT OF CHARACTERISTIC CONSTITUENTS KOSHER CERTIFIED **K**

GRAS GRAS GRAS IN THE PRODUCT CAN BE USED AS AN INGREDIENT IN COMMON FOOD (US)

BRAND - ENGLISH NAME		BOTANICAL ORIGIN	ASSAY
ALEXTAN® GRAPESEED AND LYCOPENE		<i>Vitis vinifera</i> L Seed <i>Lycopersicum esculentum</i> Mill Fruit	≥12.5.0% of grapeseed OPC; ≥1.25% of lycopene by HPLC
CURBILENE [®] CUCURBITA PEPO CO ₂ EXTRACT		<i>Cucurbita pepo</i> L - Seed	≥85.0% of fatty acids by GC
LACTOLYCOPENE	н	<i>Lycopersicum esculentum</i> Mill Fruit	≥2.2% of lycopene by HPLC
MIRTOGENOL®	н	<i>Vaccinium myrtillus</i> L Fresh frozen fruit <i>Pinus pinaster</i> Ait Bark	≥61.3% Bilberry extract (Mirtoselect®) ≥31.6% Maritime pine extract (Pycnogenol®)
OMEGABLUE® BILBERRY SEED		<i>Vaccinium myrtillus</i> L Seeds	≥80.0% of total fatty acids by GC; ≥50% total polyunsaturated fatty acids by GLC
SABALSELECT [®] SAW PALMETTO CO ₂ EXTRACT	К	<i>Serenoa repens</i> (Bartr.) Small - Fruit	≥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
SAW PALMETTO ALCOHOLIC EXTRACT	к	<i>Serenoa repens</i> (Bartr.) Small - Fruit	≥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
TAMARIND XILOGLUCAN		<i>Tamarindus indica</i> L Seed	≥80.0% of polysaccharide by HPLC

BIOLOGICAL ACTIVITY

Prostate health

Eye health

Cholesterol health

Prostate health and bladder function

Prostate health and bladder function

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$\mathbf{INDENA} \ \mathbf{PHYTOSOME}^{{}^{\mathrm{\tiny M}}}$

PRODUCTS FORMULATED WITH INDENA'S MULTI-TALENTED TECHNOLOGY PLATFORM

- HALAL CERTIFIED
- KOSHER CERTIFIED **K**

GRAS GRAS GRAS GRAS INGREDIENT IN COMMON FOOD (US)

BRAND - ENGLISH NAME	BOTANICAL ORIGIN	ASSAY
ANTHOCRAN [®] HK INDENA PHYTOSOME [™]	Vaccinium macrocarpon Ait fruit	≥6.0% ≤9.0% of proanthocyanidins by spectrophotometry (DMAC method)
BERBEVIS [®] HK BERBERIN INDENA PHYTOSOME [™]	<i>Berberis aristata</i> L Root	\geq 28.0% \leq 34.0% of berberine by HPLC
CASPEROME [®] HK BOSWELLIA INDENA PHYTOSOME [™]	<i>Boswellia serrata</i> Roxb. ex Colebr Resin	≥25.0% of triterpenic acids (boswellic acids and lupeolic acids) and derivatives by HPLC
CUBO™ CURCUMIN + BOSWELLIA HK INDENA PHYTOSOME™	<i>Curcuma longa</i> L Rhizome <i>Boswellia serrata</i> Roxb. ex Colebr Resin	≥11.9% ≤14.5% of totalcurcuminoids, ≥8.25% of total triterpenic acids by HPLC
GINKGOSELECT [®] PLUS INDENA PHYTOSOME [™] HK GINKGO BILOBA INDENA PHYTOSOME [™]	Ginkgo biloba L Leaf	≥7.0% of ginkgoflavonglucosides, ≥2.0% of ginkgoterpenes, ≥0.8% of ginkgolides, ≤5 ppm of total ginkgolic acids by HPLC
GREENSELECT [®] INDENA PHYTOSOME [™] HK GREEN TEA INDENA PHYTOSOME [™]	<i>Camellia sinensis</i> (L.) O. Kuntze - Leaf	≥19.0% ≤25.0% of polyphenols expressed as (-)-epigallocatechin-3-0- gallate, ≥13.0% of (-)-epigallocatechin-3-0-gallate, ≤0.1% of caffeine by HPLC
LEUCOSELECT® INDENA PHYTOSOME™ HK GRAPE SEED INDENA PHYTOSOME™	Vitis vinifera L Seed	≥25.0% ≤30.0% of proanthocyanidins by GPC
LUTEOLIN PHOSPHOLIPIDS	<i>Sophora japonica</i> L Bud	19.0 - 24.0% of luteolin by HPLC
SILYMARIN INDENA PHYTOSOME [™] HK	Silybum marianum (L.) Gaertn Fruit	≥15.0% ≤20.0% of silymarin calculated as silybin by HPLC
SILIPHOS [®] HK SILYBIN INDENA PHYTOSOME [™]	Silybum marianum (L.) Gaertn Fruit	≥29.7% ≤36.3% of silybin by HPLC

BIOLOGICAL ACTIVITY

Urinary tract health

Healthy metabolism

Healthy inflammatory response, Joint health, Gut health

Gut health

Cognition and circulation health, Antioxidant activity, Vasokinetic

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Body weight balance, Antioxidant activity

Cardiovascular health, UV protectant, Antioxidant activity

Healthy liver, Antioxidant activity, UV protectant

Healthy liver, Retinoic acid-like activity

$\mathbf{INDENA} \ \mathbf{PHYTOSOME}^{{}^{\mathrm{\tiny M}}}$

PRODUCTS FORMULATED WITH INDENA'S MULTI-TALENTED TECHNOLOGY PLATFORM

KOSHER CERTIFIED **K**

GRAS GRAS GRAS INGREDIENT IN COMMON FOOD (US)

BRAND - ENGLISH NAME			BOTANICAL ORIGIN	ASSAY
	MERIVA® CURCUMIN INDENA PHYTOSOME™	нк	<i>Curcuma longa</i> L Rhizome	≥18.0% ≤22.0% of curcuminoids by HPLC
	UBIQSOME[®] CoQ10 INDENA PHYTOSOME [™]	нк	-	≥18.0% ≤22.0% of coenzyme Q10 by HPLC
	VAZGUARD [®] BERGAMOT INDENA PHYTOSOME™	К	<i>Citrus bergamia</i> Risso & Poit Fruit juice	≥14% ≤18% of total flavanols by HPLC
	QUERCEFIT [®] QUERCETIN INDENA PHYTOSOME [™] SF/MD	нк	Sophora japonica L Flowering head	≥34.0% ≤42.0% of quercetin by HPLC
	RELISSA™ MELISSA INDENA PHYTOSOME [™]	К	<i>Melissa officinalis</i> L Leaf	≥17.0% ≤23.0% of hydroxycinnamic acids by HPLC



BIOLOGICAL ACTIVITY

Joint health, Healthy inflammatory response

Cells bioenergetics support, sports nutrition, Healthy ageing, Heart & cardiovascular health, Brain health

Healthy blood levels, Visceral fat optimizer

Sports nutrition, Antioxidant activity

Brain health, Quality sleep, Healthy mood

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