



 **indena**[®]
INDUSTRIA
DERIVATI
NATURALI

PERSONALCARE

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, health-foods, foods and personal care.

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 more than 90 years of experience to prove it.



The ingredients described herein are offered for consideration for use in personal care products. The information provided describes historical use, ingredient activity and other information that may be relevant to their use in such products. How each ingredient would contribute to a particular product would be formulation specific. Furthermore please note that this documentation is available for various countries all over the world and hence it may contain statements not applicable to your country.

ACTIVE INGREDIENTS: PURE MOLECULES



BRAND - ENGLISH NAME	BOTANICAL ORIGIN	ASSAY	BIOLOGICAL ACTIVITY
ASIATICOSIDE	<i>Centella asiatica</i> (L.) Urban - Leaf	≥85.0% of asiaticoside by HPLC	Anti-wrinkles, Lips care
CENTELLA ASIATICA SELECTED TRITERPENES	<i>Centella asiatica</i> (L.) Urban - Leaf	≥36.0% ≤44.0% of asiaticoside, ≥56.0% ≤64.0% of genins as sum of asiatic acid and madecassic acid by HPLC	Anti-wrinkles, Stretchmarks improver
COLEUS	<i>Coleus barbatus</i> Benth. - Rhizome and root	≥80.0% of forskolin by HPLC	Lipolytic, Vasokinetic, cAMP stimulant
ESCIN	<i>Aesculus hippocastanum</i> L. - Seed	≥95.0% of escin by potentiometry	Capillarotropic
ESCULOSIDE	<i>Aesculus hippocastanum</i> L. - Bark of branch	≥98.0% of esculoside by HPLC	Vasokinetic, Capillary protectant
18β-GLYCYRRHETINIC ACID	<i>Glycyrrhiza glabra</i> L. - Root	≥98.0% ≤102.0% of glycyrrhetic acid by acidimetry	Soothing, Lenitive
CENTEROX® - CENTELLA ASIATICA	<i>Centella asiatica</i> (L.) Urban - Leaf	≥50.0% ≤70.0% of madecassoside and terminoloside, ≥10.0% ≤20.0% of asiaticoside, ≥70.0% ≤90.0% of sum of madecassoside, terminoloside and asiaticoside by HPLC	Anti-wrinkles, Collagen synthesis enhancer
LEUCOSELECT® - GRAPE SEED	<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, Capillarotropic
MADECASSOSIDE	<i>Centella asiatica</i> (L.) Urban - Leaf	≥95.0% of madecassoside and terminoloside by HPLC	Anti-wrinkles, Collagen synthesis enhancer
PROANTHOCYANIDIN A2	<i>Aesculus hippocastanum</i> L. - Seed	≥85.0% of proanthocyanidin A2 by HPLC	Skin density promoter
RUSCOGENINS	<i>Ruscus aculeatus</i> L. - Rhizome and root	≥92.0% ≤103.0% of ruscogenins, ≥60.0% ≤80% of neoruscogenin, ≥20% ≤40% of ruscogenin by HPLC	Anticellulite, Vasoprotectant
SERICOSIDE	<i>Terminalia sericea</i> Burch. ex. DC. - Root bark	≥76.0% ≤84.0% of sericoside by HPLC	Anti-wrinkles, Soothing, Redensifier
VISNADINE	<i>Ammi visnaga</i> (L.) Lam - Umbel without fruits	≥95.0% of visnadine by spectrophotometry	Vasokinetic, Anticellulite
XILOGEL® - TAMARIND SEED	<i>Tamarindus indica</i> L. - Seed	≥85.0% ≤102.0% of xyloglucan by HPLC	Moisturizer, Skin restructurant, Anti-wrinkles
XILOGEL® HS - TAMARIND SEED	<i>Tamarindus indica</i> L. - Seed	≥75.0% of xyloglucan by HPLC	Moisturizer, Skin restructurant
XIMENOIL® - XIMENYNIC ACID	<i>Santalum album</i> L. - Seed	≥98.0% ≤105.0% of ximenynic acid by potentiometry	Vasokinetic, Skin nourishing
XIMILENE® - ETHYL XIMENYNATE	<i>Santalum album</i> L. - Seed	≥70.0% of ethylximenynate by HPLC	Vasokinetic

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BABY

BODY

SKIN

HAIR

ACTIVE INGREDIENTS: PHYTOSOME®



BRAND - ENGLISH NAME	BOTANICAL ORIGIN	ASSAY	BIOLOGICAL ACTIVITY
BOSEXIL® - BOSWELLIA	<i>Boswellia serrata</i> Roxb. ex Colebr. - Resin	≥25.0% boswellic acids by HPLC	Soothing, Lenitive, Anti-photoageing
CENTELLA ASIATICA SELECTED TRITERPENES	<i>Centella asiatica</i> (L.) Urban - Leaf	≥30.0% ≤35.0% of selected triterpenes by HPLC	Anti-wrinkles, Collagen restructurant
ESCIN β-SITOSTEROL	<i>Aesculus hippocastanum</i> L. - Seed	≥32.0% ≤40.0% of escin by TLC; ≥12.5% ≤15.5% β-sitosterol by TLC	Capillarotropic
GINKGOSELECT® - GINKGO BILOBA	<i>Ginkgo biloba</i> L. - Leaf	≥7.0% of ginkgoflavoglucosides, ≥2.0% of ginkgoterpenes, ≥ 0.8% of bilobalide, ≥0.8% of ginkgolides by HPLC ≤5 ppm of total ginkgolic acids by HPLC	Vasokinetic, Antioxidant
GINKGO BILOBA DIMERIC FLAVONOIDS	<i>Ginkgo biloba</i> L. - Leaf	≥7.0% of total biflavones expressed as ginkgetin by HPLC	Lipolytic, Vasokinetic, Phosphodiesterase inhibitor
GINKGO BILOBA TERPENES	<i>Ginkgo biloba</i> L. - Leaf	≥30.0% of total ginkgoterpenes, ≥10.0% of bilobalide, ≥10.0% of ginkgolides A, B, C, J by HPLC	Soothing, Lenitive
GINSENG	<i>Panax ginseng</i> C.A. Meyer - Root	≥30.0% ≤40.0% of ginseng typical constituents by gravimetry	Skin elasticity improver
18β-GLYCYRRHETINIC ACID	<i>Glycyrrhiza glabra</i> L. - Root	≥27.0% ≤31.0% of 18β-glycyrrhetic acid by HPLC	Soothing, Lenitive
GREENSELECT® - GREEN TEA	<i>Camellia sinensis</i> (L.) O. Kuntze - Young leaf	≥19.0% ≤25.0% of catechins expressed as (-)-epigallocatechin-3- O-gallate; ≥ 13.0% of (-)-epigallocatechin-3-O-gallate by HPLC	Antioxidant, Whitening agent
HAWTHORN	<i>Crataegus spp.</i> - Flowering top	≥3.0% of vitexin-2''-O-rhamnoside by HPLC ≥28% ≤34% of Hawthorn typical constituents	Antioxidant
LEUCOSELECT® - GRAPE SEED	<i>Vitis vinifera</i> L. - Seed	≥25% ≤30% of proanthocyanidins by GPC	Antioxidant, UV protectant
MERIVA® - TURMERIC	<i>Curcuma longa</i> L. - Seed	≥18.0% ≤22.0% of curcuminoids by HPLC	Soothing
PROANTHOCYANIDIN A2	<i>Aesculus hippocastanum</i> L. - Bark	≥31.0% ≤37.0% of proanthocyanidin A2 by HPLC	UV protectant, Trophodermic, Firming and oval reshaping agent
QUERCEVITA™ - QUERCETIN	<i>Sophora japonica</i> L. -	≥17.0% ≤2.0% of quercetin by HPLC	Soothing, Lenitive, Skin relief
REXATROL® - RESVERATROL	<i>Polygonum cuspidatum</i> Sieb. e Zucc. - Rhizome	≥30% resveratrol by HPLC	Anti-ageing, Sirt1 modulator
SERICOSIDE	<i>Terminalia sericea</i> Burch. ex. DC. - Root bark	≥25.0% of sericoside by HPLC	Anti-wrinkles, Soothing, Antioxidant, Redensifier
SILYMARIN	<i>Silybum marianum</i> (L.) Gaertn. - Fruit	≥15.0% ≤20.0% of silybin-like substances calculated as silybin by HPLC	Antioxidant, UV protectant
SILIPHOS® - SILYBIN	<i>Silybum marianum</i> (L.) Gaertn. - Fruit	≥29.7% ≤36.3% of silybin by HPLC	Anti-wrinkles, Retinoic acid-like activity
VISNADEX® - VISNADINE	<i>Ammi visnaga</i> (L.) Lam - Umbel without fruits	≥10.0% ≤13.0% of visnadin by TLC	Vasokinetic

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ACTIVE INGREDIENTS: STANDARDIZED EXTRACTS



BRAND - ENGLISH NAME	BOTANICAL ORIGIN	ASSAY	BIOLOGICAL ACTIVITY
MIRTOSELECT® - BILBERRY	<i>Vaccinium myrtillus</i> L. - Fresh frozen fruit	≥36.0% of anthocyanins by HPLC; ≥25% anthocyanins as anthocyanidins by spectrophotometry	Capillarotropic
OMEGABLU® - BILBERRY SEED	<i>Vaccinium myrtillus</i> L. - Seed	≥80.0% total fatty acids by GC; ≥50% total polyunsaturated fatty acids by GLC	Skin restructurant, Lenitive, Anti-fragility for hair
BLADDERWRACK	<i>Fucus vesiculosus</i> L. - Thallus	≥0.2% of fucosterol by TLC; ≥0.2% of iodine according to DAB method	Anticellulite
BUTCHER'S BROOM	<i>Ruscus aculeatus</i> L. - Rhizome and root	≥9.0% ≤11.0% of saponins calculated as ruscogenins by spectrophotometry	Vasoprotectant
CENTEVITA® - CENTELLA ASIATICA	<i>Centella asiatica</i> (L.) Urban - Leaf	≥45.0% of the sum of asiaticoside, madecassoside, asiatic and madecassic acids by HPLC	Collagen restructurant and anti-glycation agent
CHAMOMILE	<i>Matricaria recutita</i> L. - Flowering head	≥1.2% of total apigenin by HPLC	Soothing, Lenitive
IMMUNOSELECT® - ECHINACEA ANGUSTIFOLIA	<i>Echinacea angustifolia</i> DC. - Root	≥4.0% of echinacoside by HPLC	Antioxidant, Soothing
GINKGOSELECT® - GINKGO BILOBA	<i>Ginkgo biloba</i> L. - Leaf	≥24.0% of ginkgoflavonglucosides by HPLC; ≥6.0% as sum of ginkgolides A, B, C, J and bilobalide; ≥2.6% ≤3.2% of bilobalide by GLC; ≤5 ppm of ginkgolic acid by HPLC	Vasokinetic
GINSELECT® - GINSENG IDB	<i>Panax ginseng</i> C.A. Meyer - Root	≥7.0% of ginsenosides and malonylginsenosides; ≥0.9% ≤1.4% of Rg1; ≥1.7% ≤3.0% of Rb1 by HPLC	Skin elasticity improver
GREENSELECT® - GREEN TEA	<i>Camellia sinensis</i> (L.) O. Kuntze - Young leaf	≥60.0% of polyphenols expressed as (-)-epigallocatechin-3-O gallate; ≥40.0% of (-)-epigallocatechin-3-O gallate; ≤0.1% of caffeine by HPLC	Antioxidant, Anti-decay, Whitener
GUARANA	<i>Paullinia cupana</i> H.B. et K. - Seed	≥11.0% ≤13.0% of total alkaloids by HPLC	Lipolytic, Energizer
HAWTHORN	<i>Crataegus</i> spp. - Flowering top	≥1.8% of vitexin-2"-O-rhamnoside by spectrophotometry	Antioxidant
HORSE CHESTNUT	<i>Aesculus hippocastanum</i> L. - Seed	≥16.0% ≤22.0% of saponins expressed as escin by spectrophotometry	Venotropic
KOLA	<i>Cola nitida</i> (Vent.) Schott et Endl. - Seed	≥9.5% ≤13.0% of alkaloids by gravimetry	Lipolytic
LYMPHASELECT® - MELILOTUS	<i>Melilotus officinalis</i> (L.) Pallas - Herb	≥17.0% ≤20.0% of coumarin by HPLC	Legs wellness

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BODY

SKIN

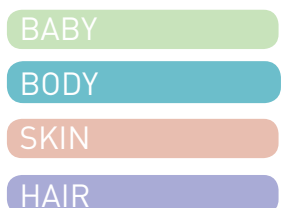
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ACTIVE INGREDIENTS: STANDARDIZED EXTRACTS



BRAND - ENGLISH NAME	BOTANICAL ORIGIN	ASSAY	BIOLOGICAL ACTIVITY	
MILLET	<i>Panicum miliaceum</i> L. - Seed	≥3.0% of fatty acids by GC	Skin restructurant, Skin barrier function improver	■ ■ ■
OPEXTAN® - OLIVE	<i>Olea europaea</i> L. - Fruit	≥10.0% of total polyphenols by spectrophotometry; ≥2.0% of verbascoside by HPLC	Antioxidant, UV protectant	■ ■ ■
PASSION FLOWER	<i>Passiflora incarnata</i> L. - Aerial part	≥3.5% ≤4.0% of total flavonoids as a sum of isovitexin, vitexin and orientin calculated as isovitexin by spectrophotometry	Soothing	■ ■ ■
CURBILENE® - PUMPKIN SEEDS	<i>Cucurbita pepo</i> L. - Naked seed	≥85.0% of fatty acids by GC	Skin matting	■
QUASSELECT® - QUASSIA	<i>Picrasma excelsa</i> (Sw.) Planch. - Wood	≥53.0% ≤57.0% as a sum of quassin and neoquassin by HPLC	Anti-pediculosis	■ ■
RATHANY	<i>Krameria lappacea</i> (Dombey) Burdet - Root	≥13.5% ≤16.5% of neolignans, expressed as eupomatenoide-6 by HPLC	Antioxidant, Antimicrobial agent	■ ■ ■ ■
SABALSELECT® - SERENOA	<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	Anti 5-α reductase	■ ■
SILYMARIN	<i>Silybum marianum</i> (L.) Gaertn. - Fruit	≥65.0% of silymarin according to DAB 10 ≥33.0% as a sum of silybin and isosilybin by HPLC	Antioxidant, UV protectant	■ ■
SOYSELECT® - SOYBEAN	<i>Glycine max</i> (L.) Merr. - Seed	≥18% ≤25.5% of B-type saponins, ≥13.0% ≤17.0% of isoflavone glycosides by HPLC	Skin elasticizing	■ ■
ZANTHALENE® - ZANTHOXYLUM	<i>Zanthoxylum bungeanum</i> Maxim. - Pericarp	≥4.4% ≤6.4% of alkylamides by HPLC	Anti-itching, Skin sensitivity modulator, Lifting agent	■ ■ ■ ■

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