

COSMETIC INGREDIENTS



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Indena is the world's leading company dedicated to the identification, development and production of active principles derived from plants, for use in the pharmaceutical, health-food and cosmetics industries.

With over 80 years of experience behind it, Indena constantly seeks to increase its knowledge of plants and their sources; to improve its competence in the fields of phytochemistry, pharmacology, and toxicology; and to develop partnerships with customers during all phases of a project.

Indena pursues excellence with the goal of being recognised within the botanical derivatives sector as the partner of choice for companies offering their customers innovative products, with guaranteed quality allowing them to differentiate their market offering.

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Excellence in botanical derivatives

ISOLATED PURE PRODUCTS AND SELECTED ACTIVE PRINCIPLES

ASIATIC ACID	<i>Centella asiatica</i> (L.) Urban - Leaf	≥94.0% of asiatic acid by HPLC	Asiatic acid	Cicatrizing
ASIATICOSIDE	<i>Centella asiatica</i> (L.) Urban - Leaf	≥85.0% of asiaticoside by HPLC	Asiaticoside	Anti-wrinkles
CENTELLA ASIATICA SELECTED TRITERPENES	<i>Centella asiatica</i> (L.) Urban - Leaf	≥36.0% ≤44.0% of asiaticoside by HPLC, ≥56.0% ≤64.0% of genins as sum of asiatic acid and madecassic acid	<i>Centella asiatica</i> extract	Cicatrizing, Anti-wrinkles
COLEUS	<i>Coleus barbatus</i> (Andrews) Benth. - Rhizome and root	≥80.0% of forskolin by HPLC	<i>Plectranthus barbatus</i>	Lipolytic, Vasokinetic
ESCIN	<i>Aesculus hippocastanum</i> L. - Seed	≥95.0% of escin by potentiometry	Escin	Antioedema
ESCULOSIDE	<i>Aesculus hippocastanum</i> L. - Bark	≥98.0% of esculoside by HPLC	Esculin	Vasokinetic
18β-GLYCYRRHETINIC ACID	<i>Glycyrrhiza glabra</i> L. - Root	≥98.0% ≤101.0% of glycyrrhetic acid by HPLC according to Ph. Eur. "Enoxolone"	Glycyrrhetic acid	Soothing
ETHYL XIMENYNATE [XIMILENE®]	<i>Santalum album</i> L. - Seed	≥70.0% of ethyl ximeninate by HPLC	Ethyl ximenynate	Vasokinetic
GLYCAMIL®	<i>Glycyrrhiza glabra</i> L. - Root	≥98.0% of ammonium glycyrrhetate by spectrophotometry	Ammonium glycyrrhetate	Soothing
GRAPE SEED [LEUCOSELECT®]	<i>Vitis vinifera</i> L. - Seed	≥95.0% ≤105.0% of Leucoselect® by GPC, ≥13.0% ≤19.0% of sum of catechin and epicatechin expressed as catechin by HPLC	<i>Vitis vinifera</i> (grape) seed extract	Antioxidant, Capillarotropic
MADECASSICOSIDE	<i>Centella asiatica</i> (L.) Urban - Leaf	≥80.0% of madecassicoside by HPLC	Madecassicoside	Soothing, Trophodermic
PROANTHOCYANIDIN A₂	<i>Aesculus hippocastanum</i> L. - Bark	≥85.0% of proanthocyanidin A ₂ by HPLC	<i>Aesculus hippocastanum</i> (horse chestnut) bark extract	Cicatrizing, Anti-wrinkles
RUSCOGENINS C	<i>Ruscus aculeatus</i> L. - Rhizome and root	≥92.0% ≤103.0% of ruscogenins, ≥60.0% ≤80% of neo-ruscogenin, ≥20% ≤40% of ruscogenin by HPLC	Neo ruscogenin (and) ruscogenin	Anticellulite, Venotropic
SERICOSIDE	<i>Terminalia sericea</i> Burch. ex DC. - Root bark	≥76.0% ≤84.0% of sericoside by HPLC	<i>Terminalia sericea</i> extract	Soothing
SILYMARIN	<i>Silybum marianum</i> (L.) Gaertn. - Fruit	≥65.0% of silymarin according to DAB 10, ≥30.0% as a sum of silybin and isosilybin	<i>Silybum marianum</i> extract	Antioxidant, UV protectant
VISNADINE	<i>Ammi visnaga</i> (L.) Lam - Umbel without fruits	≥95.0% of visnadine by HPLC	Visnadine	Vasokinetic
XIMENINIC ACID	<i>Santalum album</i> L. - Seed	≥98.0% ≤105% of ximeninic acid by potentiometry	Ximeninic acid	Vasokinetic, Trophodermic

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STANDARDIZED OILY EXTRACT

PUMPKIN SEEDS [CURBILENE®]	<i>Cucurbita pepo</i> (L.) - Naked seed	≥85.0% of fatty acids by GLC, ≥0.3% of total sterols by GLC, ≥0.01% ≤ 0.09% of fatty alcohols by GLC	<i>Cucurbita pepo</i> (pumpkin) seed extract	Skin matting
XIMENESTER	<i>Santalum album</i> L. - Seed	≥50.0% of ximeninic acid by GLC	<i>Santalum album</i> (sandalwood) seed oil	Trophodermic
ZANTHOXYLUM [ZANTHALENE® PURIFIED EXTRACT]	<i>Zanthoxylum bungeanum</i> Maxim. - Pericarp	≥22.0% ≤32.0% of alkylamides by HPLC	<i>Zanthoxylum alatum</i> extract	Anti-itching, Skin sensitivity modulator
ZANTHOXYLUM [ZANTHALENE® PURIFIED EXTRACT]	<i>Zanthoxylum bungeanum</i> Maxim. - Pericarp	≥4.4% ≤6.4% of alkylamides by HPLC	<i>Zanthoxylum alatum</i> extract (and) oleyl alcohol	Anti-itching, Skin sensitivity modulator

STANDARDIZED DRY EXTRACTS

BILBERRY [MIRTOSELECT®]	<i>Vaccinium myrtillus</i> L. - Fresh frozen fruit	≥25.0% of anthocyanosides calculated as anthocyanidins by spectrophotometry, ≥36% of anthocyanosides by HPLC	<i>Vaccinium myrtillus</i> fruit extract	Capillarotropic, Anti-couperose
BLADDERWRACK	<i>Fucus vesiculosus</i> L. - Thallus	≥0.2% of fucosterol by TLC, ≥0.2% of iodine according to DAB method	<i>Fucus vesiculosus</i> extract	Anticellulite
BUTCHER'S BROOM	<i>Ruscus aculeatus</i> L. - Rhizome and root	≥9.0% ≤11.0% of saponins calculated as ruscogenins by spectrophotometry	<i>Ruscus aculeatus</i> root extract	Venotropic
CHAMOMILE	<i>Chamomilla recutita</i> (L.) Rausch - Flowering head	≥1.2% of total apigenin by HPLC	<i>Chamomilla recutita</i> (<i>matricaria</i>) flower extract	Soothing
COLEUS	<i>Coleus barbatus</i> (Andrews) Benth. - Rhizome and root	≥10.0% ≤12.0% of forskolin by HPLC	<i>Plectranthus barbatus</i>	Lipolytic, Vasokinetic
ECHINACEA ANGUSTIFOLIA [IMMUNOSELECT®]	<i>Echinacea angustifolia</i> DC. - Root	≥4.0% of echinacoside by HPLC	<i>Echinacea angustifolia</i> extract	Antioxidant, Soothing
ELEUTHEROCOCCUS	<i>Eleutherococcus senticosus</i> (Rupr. & Maxim) Maxim - Root	>0.5% of eleutheroside E by HPLC	<i>Eleutherococcus senticosus</i> root extract	Astringent
GINKGO BILOBA [GINKGOSELECT®]	<i>Ginkgo biloba</i> L. - Leaf	≥24.0% of ginkgoflavonglucosides by HPLC, ≥6.0% as sum of ginkgolides and bilobalide, ≥2.6% ≤3.2% of bilobalide by GLC	<i>Ginkgo biloba</i> leaf extract	Vasokinetic
GINKGO BILOBA BIFLAVONES	<i>Ginkgo biloba</i> L. - Leaf	≥24.0% ≤39.0% of total biflavones expressed as ginkgetin by HPLC	<i>Ginkgo biloba</i> leaf extract	Lipolytic, Vasokinetic
GINSENG 27-30%	<i>Panax ginseng</i> C.A. Meyer - Root	≥27.0% ≤30.0% of saponins by spectrophotometry expressed as ginsenoside Rg ₁ , ≥20.0% of ginsenosides of protopanaxadiol by HPLC	<i>Panax ginseng</i> root extract	Skin elasticity improver
GINSENG IDB [GINSELECT®]	<i>Panax ginseng</i> C.A. Meyer - Root	≥7.0% of ginsenosides and malonylginsenosides, ≥0.9% ≤1.4% of Rg ₁ , ≥1.7% ≤3.0% of Rb ₁ by HPLC	<i>Panax ginseng</i> root extract	Skin elasticity improver
GREEN TEA [GREENSELECT®]	<i>Camellia sinensis</i> (L.) O. Kuntze - Young leaf	≥60.0% of polyphenols expressed as (-)-epigallocatechin-3-O gallate, ≥40.0% of (-)-epigallocatechin-3-Ogallate, ≤0.1% of caffeine by HPLC	<i>Camellia sinensis</i> leaf extract	Antioxidant

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STANDARDISED DRY EXTRACTS (CONTINUE)

GREEN TEA	<i>Camellia sinensis</i> (L.) O. Kuntze - Young leaf	≥3.0% of caffeine by HPLC and ≥14.0% of total polyphenols by spectrophotometry	<i>Camellia sinensis</i> leaf extract	Tonic, Antioxidant
GUARANÀ	<i>Paullinia cupana</i> H.B. et K. - Seed	≥11.0% ≤13.0% of total alkaloids by HPLC	<i>Paullinia cupana</i> seed extract	Lipolytic
HAWTHORN	<i>Crataegus spp.</i> - Flowering top	≥1.8% of vitexin-2"-O-rhamnoside by spectrophotometry	<i>Crataegus monogina</i> flower extract	Antioxidant, Anti-couperose
HORSE CHESTNUT	<i>Aesculus hippocastanum</i> L. - Seed	≥16.0% ≤22.0% of saponins expressed as escin by spectrophotometry according to French Pharmacopaea X ed.	<i>Aesculus hippocastanum</i> (horse chestnut) seed extract	Antioedema, Venotropic
HORSE CHESTNUT SAPONINS	<i>Aesculus hippocastanum</i> L. - Seed	≥8.0% ≤16.0% of saponins by spectrophotometry	<i>Aesculus hippocastanum</i> (horse chestnut) seed extract	Mild foaming cleanser
IVY SAPONINS	<i>Hedera helix</i> L. - Leaf and twig	≥20.0% of ederaeoside C by HPLC	<i>Hedera helix</i> (ivy) extract	Soothing, Anticellulite
KOLA	<i>Cola nitida</i> (Vent.) Schott et Endl. - Seed	≥11.0% ≤13.0% of total alkaloids by gravimetry	<i>Cola nitida</i> seed extract	Lipolytic
LESPEDEZA	<i>Lespedeza capitata</i> (L.) Michx. - Flowering top	≥19.0% ≤22.0% of total flavonoids calculated as anhydrous rutin by spectrophotometry	<i>Lespedeza capitata</i> extract	Skin conditioning
MELILOTUS [LYMPHASELECT®]	<i>Mellilotus officinalis</i> (L.) Pallas - Herb	≥17.0% ≤20.0% of coumarin by HPLC	<i>Mellilotus officinalis</i> extract	Lymphatic circulation improver
MILLET	<i>Panicum miliaceum</i> L. - Seed	≥3.0% ≤4.0% of fatty acids by GPC	<i>Panicum miliaceum</i> (millet) seed extract	Skin restructuring
OLIVE [OLEASELECT™]	<i>Olea europaea</i> (L.) - Fruit	≥30.0% of total phenols by spectrophotometry, ≥5.0% of verbascoside and ≥1.5% of hydroxytyrosol by HPLC	<i>Olea europaea</i> (olive) fruit extract	Antioxidant
OLIVE [OPEXTAN™]	<i>Olea europaea</i> (L.) - Fruit	≥10.0% of total polyphenols by spectrophotometry, ≥2.0% of verbascoside by HPLC	<i>Olea europaea</i> (olive) fruit extract	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	<i>Passiflora incarnata</i> flower extract	Soothing
QUASSIA [QUASSELECT®]	<i>Quercus excelsa</i> (Sw.) Planch - Wood	≥53.0% ≤57.0% as a sum of quassin and neoquassin by HPLC	<i>Quercus amara</i> wood extract	Anti-pediculosis
RHATANY	<i>Krameria lappacea</i> (Dombey) Burdet - Root	≥13.5% ≤16.5% of neolignans, expressed as eupomatenoide-6 by HPLC	<i>Krameria triandra</i> extract	Antioxidant, Antimicrobial
SOYBEAN [SOYSELECT®]	<i>Glycine max</i> (L.) Merr. - Seed	≥18.0% ≤25.0% of B group saponins, ≥13.0% ≤17.0% of isoflavone-glycosides genistin and daidzin by HPLC	<i>Glycine soja</i> (soybean) seed extract	Skin elasticizing

PHYTOSOME®

CENTELLA ASIATICA SELECTED TRITERPENES	<i>Centella asiatica</i> (L.) Urban - Leaf	≥30.0% ≤35.0% of centella asiatica selected triterpenes by HPLC	Phospholipids (and) <i>Centella asiatica</i> extract	Anti-wrinkles, Anticellulite
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	Phospholipids (and) escin (and) β-sitosterol	Antioedema
GINKGOSELECT®	<i>Ginkgo biloba</i> L. - Leaf	≥7.0% of ginkgoflavoglucosides, ≥2.0% of ginkgoterpenes, ≥0.8% of bilobalide, ≥0.8% of ginkgolides by HPLC	Phospholipids (and) <i>Ginkgo biloba</i> leaf extract	Vasokinetic
GINKGO BILOBA DIMERIC FLAVONOIDS	<i>Ginkgo biloba</i> L. - Leaf	≥10.0% of total biflavones expressed as ginkgetin by HPLC	Phospholipids (and) <i>Ginkgo biloba</i> leaf extract	Lipolytic, Vasokinetic
GINKGO BILOBA TERPENES	<i>Ginkgo biloba</i> L. - Leaf	≥30.0% of total ginkgoterpenes, ≥10.0% of bilobalide, ≥10.0% of ginkgolides by HPLC	Phospholipids (and) <i>Ginkgo biloba</i> leaf extract	Soothing
GINSELECT®	<i>Panax ginseng</i> C.A. Meyer - Root	≥30.0% ≤40.0% of ginseng typical constituents by gravimetry	Phospholipids (and) <i>Panax ginseng</i> root extract	Skin elasticity improver
18β-GLYCYRRHETINIC ACID	<i>Glycyrrhiza glabra</i> L. - Root	≥27.0% ≤31.0% of 18β-glycyrrhetic acid by HPLC	Phospholipids (and) Glycyrrhetic acid	Soothing
GREENSELECT®	<i>Camellia sinensis</i> (L.) O. Kuntze - Young leaf	≥19.0% ≤25.0% of polyphenols expressed as (-)-epigallocatechin-3-O-gallate, ≥13.0% of (-)-epigallocatechin-3-O-gallate by HPLC	Phospholipids (and) <i>Camellia sinensis</i> leaf extract	Antioxidant
HAWTHORN	<i>Crataegus sp.</i> - Flowering top	≥3.0% of vitexin-2"-O-rhamnoside by HPLC	Phospholipids (and) <i>Crataegus monogina</i> flower extract	Antioxidant
LEUCOSELECT®	<i>Vitis vinifera</i> L. - Seed	≥90.0% ≤110.0% of Leucoselect® Phytosome® by GPC	Phospholipids (and) <i>Vitis vinifera</i> (grape) seed extract	Antioxidant, Capillarotropic
PROANTHOCYANIDIN A₂	<i>Aesculus hippocastanum</i> L. - Bark	≥31.0% ≤37.0% of proanthocyanidin A ₂ by HPLC	Phospholipids (and) <i>Aesculus hippocastanum</i> (horse chestnut) bark extract	Anti-wrinkles, UV protectant
SERICOSIDE	<i>Terminalia sericea</i> Burch. ex. DC. - Root bark	≥25.0% of sericoside by HPLC	Phospholipids (and) <i>Terminalia sericea</i> extract	Soothing, UV protectant
SILYMARIN	<i>Silybum marianum</i> (L.) Gaertn - Fruit	≥15.0% ≤20.0% of silybin like substances calculated as silybin by HPLC	Phospholipids (and) <i>Silybum marianum</i> extract	Antioxidant, UV protectant
VISNADEX®	<i>Ammi visnaga</i> (L.) Lam - Umbel without fruits	≥10.0% ≤13.0% of visnadin by TLC	Phospholipids (and) Visnadine	Vasokinetic

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FORMULATED PREMIXES

ANTI HAIR-LOSS LOTION

- XIMENINIC ACID	<i>Santalum album</i> L. - Seed	≥0.9% ≤1.1% of esculoside by HPLC	Ximeninic acid (and) esculin	Anti hair-loss
- ESCULOSIDE	<i>Aesculus hippocastanum</i> L. - Bark			

RHATANY CREAM [SEBACIN™]

- RHATANY DRY EXTRACT (15% NEOLIGNANS) 0.5%	<i>Krameria lappacea</i> Burdet - Root	≥13.5% ≤16.5% of neolignans, expressed as eupomatenoide-6 by HPLC*	<i>Xrameria triandra</i> extract (and) escin (and) β-sitosterol (and) phospholipids (and) lauric acid	Antiacne
- ESCIN/β-SITOSTEROL PHYTOSOME® 1%	<i>Aesculus hippocastanum</i> L. - Seed	≥32.0% ≤40.0% of escin by TLC, ≥12.5% ≤15.5% of β-sitosterol by HPLC*		
- LAURIC ACID 0.2%		* assay of single components		

This list includes Indena's main products.

In addition, Indena develops and manufactures customised products for selected companies.

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