



# PRODUCT LIST

## NUTRACEUTICALS

1098/H

24 - 3  
1, 2



## NUTRACEUTICALS

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).

## 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" for our partners.

And we've got over 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

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.

06

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

DRY EXTRACTS WITH REPRODUCIBLE CONTENT OF  
CHARACTERISTIC CONSTITUENTS

18

## **CHARACTERIZED, STANDARDIZED OILY and SOFT EXTRACTS**

OILY / SOFT EXTRACTS WITH REPRODUCIBLE CONTENT  
OF CHARACTERISTIC CONSTITUENTS

20

## **INDENA PHYTOSOME®**

PRODUCTS FORMULATED WITH INDENA'S  
MULTI-TALENTED TECHNOLOGY PLATFORM

# STANDARDIZED, PURIFIED OR OTHER CHARACTERIZED DRY EXTRACTS

DRY EXTRACTS WITH REPRODUCIBLE CONTENT OF  
CHARACTERISTIC CONSTITUENTS

HALAL CERTIFIED | H

KOSHER CERTIFIED | K

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



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

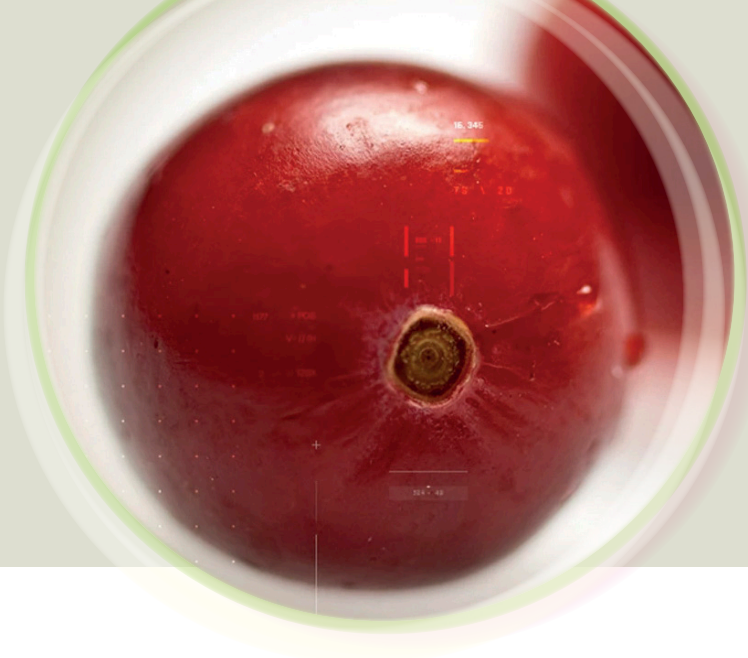
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| BRAND - ENGLISH NAME                    | BOTANICAL ORIGIN |  | ASSAY  | HEALTH BENEFIT  |
|---|------------------|--|--|---|
| BLACK COHOSH                            | K                | <i>Cimicifuga racemosa</i> (L.) Nutt. (syn. <i>Actaea racemosa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

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



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|--|-----|--|--|---|
| HAWTHORN                               | K   | <i>Crataegus</i> spp. - Leaf and flower  | ≥1.8% of vitexin-2"-O-rhamnoside by spectrophotometry  | Cardiovascular health, Antioxidant activity                   |
| HEDGE MUSTARD                          | H   | <i>Sisymbrium officinale</i> (L.) Scop. - Aerial part  | ≥1.0% of glucosinolates by HPLC  | Throat and upper respiratory tract health                     |
| HORSE CHESTNUT                         | K   | <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 | Capillarotropic   |
| IVY 5%<br>DRY HYDROALCOHOLIC EXT. 5%   | K   | <i>Hedera helix</i> L. - Leaf  | ≥5.0% of hederacoside C by HPLC  | Capillarotropic,<br>Throat and upper respiratory tract health |
| IVY 10%<br>DRY HYDROALCOHOLIC EXT. 10% | K   | <i>Hedera helix</i> L. - Leaf  | ≥10.0% of hederacoside C by HPLC   | Capillarotropic,<br>Throat and upper respiratory tract health |
| PUREBKALE™<br>BLACK KALE SEED EXTRACT  | H   | <i>Brassica oleracea</i> var. <i>viridis</i> (L.)<br>(syn. <i>Brassica oleracea</i> var. <i>acephala</i> DC.) - Seed | ≥17.0% of glucoraphanin by HPLC  | Detox, antioxidant, healthy skin                              |
| LEMON BALM                             | K   | <i>Melissa officinalis</i> L. - Leaf   | ≥10.0% of hydroxycinnamic derivates calculated as rosmarinic acid<br>≥2.0% of rosmarinic acid by HPLC  | Tonic   |
| LINDEN TREE                            | K   | <i>Tilia cordata</i> Mill. / <i>Tilia platyphyllos</i> Scop. / <i>Tilia x vulgaris</i> Heyne - Inflorescence         | ≥0.5% of flavonoids by HPLC  | Spasmolytic, Healthy mood, Antioedema                         |
| LYMPHASELECT®<br>MELILOTUS             | K   | <i>Melilotus officinalis</i> (L.) Pall.<br>(Homonym <i>Melilotus officinalis</i> (L.) Lam.) - Aerial part            | ≥17.0% ≤20.0% of coumarin by HPLC  | Lymphatic circulation health                                  |
| OPEXTAN®<br>OLIVE                      | GHK | <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                                   | Antioxidant activity, Cardiovascular health,<br>UV protectant |

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| PASSION FLOWER                    | K | <i>Passiflora incarnata</i> L. - Aerial part   | ≥1.5% of flavonoids as isovitexin acc.to Ph. Eur #1882 by LC  | Healthy mood                        |
| PASSION FLOWER 4%                 | K | <i>Passiflora incarnata</i> L. - Aerial part   | ≥3.0% ≤5.0% of flavonoids as isovitexin acc.to Ph. Eur #1882 by LC  | Healthy mood                        |
| MILLET                            | H | <i>Panicum miliaceum</i> L. - Seed   | ≥3.0% of fatty acids by GC  | Tonic                               |
| RHODIOLA 3%                       | H | <i>Rhodiola rosea</i> L. - Root  | ≥3.0% ≤4.0% of total rosavins; ≥1.0% ≤2.0% of salidroside by HPLC   | Tonic                               |
| RHUBARB 10%                       | K | <i>Rheum australe</i> D. Don (syn. <i>Rheum emodi</i> Wall. ex Meisn.) - Rhizome and root              | ≥9.0% of total anthraquinones calculated as aloe-emodin by spectrophotometry  | Gut health                          |
| SILYMARIN                         | K | <i>Silybum marianum</i> (L.) Gaertn. Fruit without pappum  | Extraction solvent: ethyl acetate or ethanol<br>≥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) | Healthy liver, Antioxidant activity |
| 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  | Healthy mood, Sleep                 |
| VALEROSELECT®<br>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; ≥0.8 - 1.0% of valerenic acids by HPLC  | Healthy mood, Sleep                 |
| MITIDOL®<br>ZINGIBER AND ACMEELLA |   | <i>Zingiber officinale</i> Roscoe - Rhizome<br><i>Acmeella oleracea</i> (L.) 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   | Ache relief                         |



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| ALEXTAN®<br>GRAPESEED AND LYCOPENE                   |   | <i>Vitis vinifera</i> L. - Seed<br><i>Lycopersicum esculentum</i> Mill. - Fruit         | ≥12.5.0% of grapeseed OPC; ≥1.25% of lycopene by HPLC  | -                                    |
| CURBILENE®<br>CUCURBITA PEPO CO <sub>2</sub> EXTRACT |   | <i>Cucurbita pepo</i> L - Seed  | ≥85.0% of fatty acids by GC  | Prostate health                      |
| LACTOLYCOPENE  | H | <i>Lycopersicum esculentum</i> Mill. - Fruit  | ≥2.2% of lycopene by HPLC  | -                                    |
| MIRTOGENOL®  | H | <i>Vaccinium myrtillus</i> L. - Fresh frozen fruit<br><i>Pinus pinaster</i> Ait. - Bark | ≥61.3% Bilberry extract (Mirtoselect®)<br>≥31.6% Maritime pine extract (Pycnogenol®)   | Eye health                           |
| OMEGABLUE®<br>BILBERRY SEED                          |   | <i>Vaccinium myrtillus</i> L. - Seeds   | ≥80.0% of total fatty acids by GC;<br>≥50% total polyunsaturated fatty acids by GLC  | Cholesterol health                   |
| SABALSELECT®<br>SAW PALMETTO CO <sub>2</sub> EXTRACT | K | <i>Serenoa repens</i> (Bartr.) Small - Fruit  | ≥85.0% ≤95.0% of fatty acids, ≥0.15% ≤0.3% of fatty alcohols,<br>≥0.2% ≤0.4% of total sterols, ≥0.1% ≤0.3% of β-sitosterol by GC | Prostate health and bladder function |
| SAW PALMETTO<br>ALCOHOLIC EXTRACT                    | K | <i>Serenoa repens</i> (Bartr.) Small - Fruit  | ≥80.0% of total fatty acids, ≥23.0% of lauric acid,<br>≥0.20% of total sterols as β-sitosterol, ≥0.10% of β-sitosterol by GC     | Prostate health and bladder function |
| TAMARIND XILOGLUCAN                                  |   | <i>Tamarindus indica</i> L. - Seed  | ≥80.0% of polysaccharide by HPLC   | -                                    |

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| ANTHOCRAN®<br>INDENA PHYTOSOME®  | HK | <i>Vaccinium macrocarpon</i> Ait. - fruit  | ≥6.0% ≤9.0% of proanthocyanidins by spectrophotometry (DMAC method)   | Urinary tract health  |
| BERBEVIS®<br>BERBERIN INDENA PHYTOSOME®                                    | HK | <i>Berberis aristata</i> L. - Root   | ≥28.0% ≤34.0% of berberine by HPLC  | Healthy metabolism  |
| CASPEROME®<br>BOSWELLIA INDENA PHYTOSOME®                                  | HK | <i>Boswellia serrata</i> Roxb. ex Colebr. - Resin                                      | ≥25.0% of triterpenic acids (boswellic acids and lupeolic acids) and derivatives by HPLC  | Healthy inflammatory response, Joint health, Gut health             |
| CUBO™<br>CURCUMIN + BOSWELLIA<br>INDENA PHYTOSOME®                         | HK | <i>Curcuma longa</i> L. - Rhizome<br><i>Boswellia serrata</i> Roxb. ex Colebr. - Resin | ≥11.9% ≤14.5% of totalcurcuminoids,<br>≥8.25% of total triterpenic acids by HPLC  | Gut health  |
| GINKGOSELECT® PLUS<br>INDENA PHYTOSOME®<br>GINKGO BILOBA INDENA PHYTOSOME® | HK | <i>Ginkgo biloba</i> L. - Leaf   | ≥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 |
| GREENSELECT®<br>INDENA PHYTOSOME®<br>GREEN TEA INDENA PHYTOSOME®           | HK | <i>Camellia sinensis</i> (L.) O. Kuntze - Leaf   | ≥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                           |
| LEUCOSELECT®<br>INDENA PHYTOSOME®<br>GRAPE SEED INDENA PHYTOSOME®          | HK | <i>Vitis vinifera</i> L. - Seed  | ≥25.0% ≤30.0% of proanthocyanidins by GPC   | Cardiovascular health, UV protectant, Antioxidant activity          |
| LUTEOLIN PHOSPHOLIPIDS   |    | <i>Sophora japonica</i> L. - Bud   | 19.0 - 24.0% of luteolin by HPLC  | -   |
| SILYMARIN<br>INDENA PHYTOSOME®   | HK | <i>Silybum marianum</i> (L.) Gaertn. - Fruit   | ≥15.0% ≤20.0% of silymarin calculated as silybin by HPLC  | Healthy liver, Antioxidant activity, UV protectant                  |
| SILIPHOS®<br>SILYBIN INDENA PHYTOSOME®                                     | HK | <i>Silybum marianum</i> (L.) Gaertn. - Fruit   | ≥29.7% ≤36.3% of silybin by HPLC  | Healthy liver, Retinoic acid-like activity                          |

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|---|------------------|--|--|--|
| <b>MERIVA®</b><br>CURCUMIN INDENA PHYTOSOME®                    | <b>HK</b>        | <i>Curcuma longa</i> L. - Rhizome                  | ≥18.0% ≤22.0% of curcuminoids by HPLC          | Joint health, Healthy inflammatory response  |
| <b>UBIQSOME®</b><br>CoQ10 INDENA PHYTOSOME®                     | <b>HK</b>        | -  | ≥18.0% ≤22.0% of coenzyme Q10 by HPLC          | Cells bioenergetics support, sports nutrition, Healthy ageing, Heart & cardiovascular health, Brain health |
| <b>VAZGUARD®</b><br>BERGAMOT INDENA PHYTOSOME®                  | <b>K</b>         | <i>Citrus bergamia</i> Risso & Poit. - Fruit juice | ≥14% ≤18% of total flavanols by HPLC           | Healthy blood levels, Visceral fat optimizer   |
| <b>QUERCEFIT®</b><br>QUERCETIN INDENA PHYTOSOME® SF/MD          | <b>HK</b>        | <i>Sophora japonica</i> L. - Flowering head        | ≥34.0% ≤42.0% of quercetin by HPLC             | Sports nutrition, Antioxidant activity   |
| <b>RELISSA™</b><br>MELISSA INDENA PHYTOSOME®                    | <b>K</b>         | <i>Melissa officinalis</i> L. - Leaf               | ≥17.0% ≤23.0% of hydroxycinnamic acids by HPLC | Brain health, Quality sleep, Healthy mood  |
| <b>CRONILIEF™</b><br>PALMITOYLETHANOLAMIDE<br>INDENA PHYTOSOME® | <b>H</b>         | -  | ≥35.0% ≤40.0% of palmitoylethanolamide by HPLC | Chronic ache relief  |



**HEADQUARTERS - INDENA S.p.A.**

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