



 **indena**[®]
INDUSTRIA
DERIVATI
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FOOD & FLAVOURS PRODUCT LIST



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

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.

Excellence in botanical derivatives

BOTANICAL EXTRACTS WITH ORGANOLEPTIC PROPERTIES



BRAND - ENGLISH NAME	BOTANICAL ORIGIN	PLANT PART	ASSAY
AMMONIUM GLYCYRRHIZATE	<i>Glycyrrhiza glabra</i> L.	Root	≥98% of monoammonium glycyrrhizate
STAR ANICE	<i>Illicium verum</i> Hook. f.	Fruit	
ARTICHOKE	<i>Cynara cardunculus</i> L.	Leaf	≥0.3% flavonoids expressed as luteolin-7-O-glucoside, ≥2.5% caffeoylquinic acid expressed as chlorogenic acid, ≥0.6% chlorogenic acid by HPLC
LEMON BALM	<i>Melissa officinalis</i> L.	Flowered head	≥10% of hydroxycinnamic derivates calculated as rosmarinic acid
BILBERRY SUGAR FRACTION	<i>Vaccinium myrtillus</i> L.	Fresh frozen fruit	
CHAMOMILE	<i>Matricaria recutita</i> L.	Flowering head	≥1.2% of total apigenin by HPLC
CINCHONA	<i>Chincona</i> spp.	Bark	≥19% ≤21% of total alkaloids by HPLC
GRAPE SEED	<i>Vitis vinifera</i> L.	Seed	≥95.0% of proanthocyanidins by spectrophotometry, ≥5.0% ≤15.0% of catechin and epicatechin by HPLC
GINSENG 2%	<i>Panax ginseng</i> C.A. Meyer	Root	2% of total ginsenosides and malonyl-ginsenosides calculated on the dried substance by colorimetry
GINSENG 10%	<i>Panax ginseng</i> C.A. Meyer	Root	10% of total ginsenosides and malonyl-ginsenosides calculated on the dried substance by HPLC
GREEN COFFEE	<i>Coffea arabica</i>	Green seed	≥15.0% of caffeoylquinic acids expressed as chlorogenic acid by HPLC; ≥3.0 of total flavonoids
GREEN TEA	<i>Camellia sinensis</i> (L.) O. Kuntze	Young Leaf	≥40% of total polyphenols by spectrophotometry, ≥15% of total catechin expressed as epigallocatechin-3-O-gallate, 8% of epigallocatechin-3-O-gallate ~ 4.5% of caffeine by HPLC

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)

BOTANICAL EXTRACTS WITH ORGANOLEPTIC PROPERTIES



BRAND - ENGLISH NAME	BOTANICAL ORIGIN	PLANT PART	ASSAY
GUARANA	<i>Paullinia cupana</i> H.B. et K.	Seed	12% of total alkaloids by HPLC
HOPS	<i>Humulus lupulus</i> L.	Flowered head	≥0.3% of flavonoids by HPLC
HORSETAIL	<i>Equisetum arvense</i> L.	Herb	≥2.6% ≤3.2% of silica according to MDHPLD11 and ≥0.8% of total flavonoids expressed as isoquercetin by spectrophotometry
LICORICE	<i>Glycyrrhiza glabra</i> L.	Root	≥5.0% ≤6.2% of glycyrrhizic acid by HPLC
LINDEN TREE	<i>Tilia cordata</i> Mill.	Flower	≥0.5% of total flavonoids by HPLC
MILLET	<i>Panicum miliaceum</i> L.	Seed	≥3.0% of total fatty acids by GC
OLIVE FRUIT W/P	<i>Olea europea</i> L.	Fruit	≥7.0% of total polyphenols by spectrophotometry; ≥1.0% of verbascoside by HPLC
OLIVE FRUIT	<i>Olea europea</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
OPLODEX™	<i>Quercus</i> spp. <i>Camellia sinensis</i> (L.) O. Kuntze <i>Vitis vinifera</i> L.	Wood Young leaf Seed	Balanced and synergistic combination of polyphenolic botanical extracts
PASSION FLOWER	<i>Passiflora incarnata</i> L.	Aerial part	≥2.0% ≤2.6% of total flavonoids by spectrophotometry
QUASSELECT®	<i>Quassia amara</i> L.	Wood	≥53.0% ≤57.0% as sum of quassin and neoquassin by HPLC
RED LEAF GRAPE	<i>Vitis vinifera</i> L.	Leaf	≥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
VANILLA	<i>Vanilla planifolia</i> Jacks. ex Andrews	Capsule	≥5.0% of vanillin by HPLC
YERBA MATE	<i>Ilex paraguariensis</i> A. St. Hil.	Leaf	≥10% of total polyphenols by spectrophotometry (GAE); ≥1.0 of caffeine by HPLC

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HEADQUARTERS - INDENA S.p.A.

Viale Ortles, 12
20139 Milan - Italy
tel. +39 02.574961

INDENA BIOTECHNOLOGY (Shanghai) Co., Ltd.

Unit 03, 16/F, Cross Tower, 318 Fu Zhou Road
Shanghai 200001 - China
tel. +86.21.22815900

INDENA Brasil Ltda

Rua Bandeira Paulista, 600
CEP 04532-001
São Paulo - Brazil
tel. +55.1.127.690.624

INDENA JAPAN Co., Ltd.

KDDI Bld. 21F. 1-8-1 Otemachi
Chyoda-Ku Tokyo 100-0004 - Japan
tel. +81.3.3243 9924

INDENA S.A.S.

23, Rue de Madrid
75008 Paris - France
tel. +33.1.45229128

INDENA USA Inc.

Two Union Square
601 Union Street, Suite 330
Seattle, WA 98101 - USA
tel. +1.206.340.6140

indena.com

