

## RELISSA™, BERBEVIS®, ANTHOCRAN® PHYTOSOME™: INDENA'S HERO PRODUCTS @ SUPPLY SIDE WEST 2023

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FROM THE COMPANY LEADER IN NUTRACEUTICALS

Milan, 23<sup>th</sup> October, 2023 – RELISSA™, BERBEVIS® and ANTHOCRAN® PHYTOSOME™: these are the products Indena will focus on during Supply Side West 2023, sharing with all its stakeholders the latest news on its research on nutraceuticals.

Indena will welcome its guests on October 25<sup>th</sup> and 26<sup>th</sup> at Mandalay Bay, Las Vegas, Nv Expo Hall, Booth 5265.

*"We're happy to be here once again, taking our recent updates to one of the most important trade shows in the world for the nutraceutical industry and to a strategic market like the USA – says **Francesca De Rensis, Marketing Director of Indena S.p.A.** -. Our botanical ingredients are meant to help people taking care of their health through prevention, lifestyle and nutrition, and we keep working on research, quality and innovation to provide our clients with excellent supplements. Moreover, we're proud to share with the Supply Side West 2023 visitors what we continuously do for sustainability, which is for Indena a concrete commitment since years. We are waiting for our stakeholders to continue discussing the most relevant topics in the world of nutraceuticals and the responsible approach to business".*

### **RELISSA™: KEEP CALM, SLEEP WELL AND LIVE BETTER WITH THE HELP OF INDENA'S EXTRACT FROM *MELISSA OFFICINALIS***

Sleep is a critical part of our overall health, and the quality and quantity of our sleep are deeply connected to our mental and emotional well-being. *Melissa officinalis* is a member of the mint family which has been known for centuries and used for various applications thanks to its calming and "anti-stress" action, promoting sleep and relaxation. Indena's **RELISSA™** is a new standardized, botanical ingredient clinically validated as support to emotional and sleep health: a new way to balance mood and manage stress.

Based on the formulation of lemon balm extract from *Melissa officinalis*, it's standardized in hydroxycinnamic acids (17-23% by HPLC) and analyzed for rosmarinic acid content. **RELISSA™** is formulated with Indena Phytosome™ technology which optimize its biological performances turning a good ingredient (*Melissa officinalis*) into a great ingredient. Scientific evidences confirms that **RELISSA™** gives 24 hours of wellbeing, has good interaction with microbiota, has enhanced effect on physiological GABA pathway, is efficacious for radical scavenging and has high tolerability. A complete presentation of the product will be done at Supply Side West by Serena Tongiani, Chief Product Officer of Indena, on October 25<sup>th</sup> at 1:30-1:50 pm, Supply Side Stage, Boot 5670.

### **BERBEVIS®: THE NATURAL WAY TO KEEP THE METABOLISM BALANCED**

Berberine is a quaternary ammonium salt derived from isoquinoline alkaloid and it is supported by solid scientific literature proving its health benefits in multifactorial conditions, including the support in controlling healthy blood levels. The genus *Berberis* represents the main natural source of berberine and *Berberis aristata* DC is one of the most important species in the genus *Berberis*. Working on berberine, Indena developed **BERBEVIS®**, a new and innovative Phytosome™ composition which optimizes berberine bioabsorption, This Phytosome™ composition includes both pea proteins, as a natural vegetable protein carrier, and a powerful, natural antioxidant such as grape seed extract to optimize **BERBEVIS®** tolerability profile.

Clinical evidences show that **BERBEVIS®** supplementation is the winning multi-target approach to metabolic health maintenance: it optimizes insulin levels effectively and noticeably modulates the blood sugar profile, optimizing both blood glycaemia and insulin. Moreover, a favorable safety profile was reported, with no major adverse events. All in all, **BERBEVIS®** is a potent, natural health-food ingredient that might help blood sugar control in a plethora of multifactorial challenges, which represent one of the greatest global health challenges of our time.

### **ANTHOCRAN® PHYTOSOME™: A NATURAL ALLY FOR WOMEN'S HEALTH**

Inflammation of the urinary tract and *Candida albicans* are widespread problems that mainly affect women. For this reason, the prolonged well-being of the female organism can be helped by natural ingredients.

Anthocran® Phytosome™ is Indena's cranberry extract, a health food ingredient based on Phytosome™ formulation proprietary technology. Anthocran® Phytosome™ boasts a unique phytochemical characterization, which makes it the highest quality cranberry extract on the market. It is standardized in proanthocyanidins and contains the full polyphenol profile of natural cranberry, including flavonols, anthocyanins and phenolic acids. Phytosome™ formulation allows to optimize the bioabsorption of phytonutrients and exploit cranberry health benefits.

Recent studies have been carried out by Indena to verify that the complex mixture of proanthocyanidins (PACs), flavonols and phenolic acids contained in Indena's cranberry extract seems to support the control of biofilm formation as in the case of *Candida albicans*. The clinical evidence shows that Indena's cranberry extract Phytosome™ is a valid supplement for the support of urinary tract health, with a good tolerability profile.

### **PHYTOSOME™: INDENA'S DELIVERY SYSTEM TO ENHANCE THE POWER OF PHYTONUTRIENTS**

Despite their potential for promising health benefits, botanical and natural compounds often need to unlock their full power and overcome several obstacles which together lead to a low oral bioabsorption.

Phytosome™ – a proprietary Technology Platform developed by Indena – is a multi-talented 100% food-grade delivery system that optimizes the performance of phytonutrients in multiple ways, allowing to exploit their power and health benefits. In many years, it has been most reliable and customizable solution in the nutraceutical field.

Phytosome™ is formulated with natural dietary ingredients already existing in the human body (phospholipids) that act as vectors, dynamically reducing the self-aggregation of natural compounds. The resulting functional dispersion allows natural ingredients to interface efficiently with the gut's ecosystem in terms of bioabsorption and microbiota interactivity, and to be flexibly formulated in several dosage forms and tailor-made solutions. Phytosome™ optimizes biological and technological performances of natural compounds without relying on pharmacological adjuvants or the structural modification of ingredients, maintaining tolerability and safety over time.

### **INDENA: PRODUCTION AS A PART OF GLOBAL GOVERNANCE SUSTAINABILITY-ORIENTED**

Sustainability has been an approach to governance for Indena for many years. The company makes a major commitment to protecting nature, a source of inspiration but also of business, in innovating technology to address climate change and in taking care of people as the real source of sustainable success.

There are five main global sustainability challenges that Indena constantly addresses, to guide its vision and plans: climate change, loss of biodiversity, waste, social vulnerability and health.

Indena's main plant at Settala near Milan, which is run according to sustainability principles, starting from an efficient energy management. As an example, Indena is equipping all its European sites with state-of-the-art photovoltaic panels. The total renewable energy self-production by 2023 will be of 5,013, 000 kwhours per year, equivalent to 2,340 Tons of CO<sub>2</sub> saved. In 2023, 67% of the energy used by Indena will be self-produced, of which almost 23% from renewable sources, and 5,177 Tons of CO<sub>2</sub> will be saved. All of Indena's European factories are certified according to ISO 14001 Environmental Management System and ISO 45001 Occupational Health and Safety Management System.

### **INDENA'S PRESENTATION AT SUPPLY SIDE WEST**

**Dr. Serena Tongiani, Chief Product Officer of Indena** will talk about *Relissa™. Keep calm, sleep well and live better with the help of nature.* 25<sup>th</sup> October 1:30-1:50 pm, Supply Side Stage, Boot 5670

**Visit Indena at Supply Side West 2023: Booth 5265**

25<sup>th</sup> and 26<sup>th</sup> October, Mandalay Bay, Las Vegas, Nv Expo Hall



**Indena** is the leading company dedicated to the identification, development and production of high quality active principles derived from plants, for use in the pharmaceutical and health food industries. Backed up by a century of botanical experience, the company owns 100 patent families, has published more than 1000 scientific studies and co-operates with the world's most prestigious universities and private research institutions. Indena employs over 900 staff, investing a significant amount of its annual turnover in research, making this activity the key to its success. Headquartered in Milan, Indena has 4 production sites and 5 international branches throughout the world and manages sales in more than 80 countries. The company's experts communicate and interact constantly with the major international regulatory authorities and cooperate on the update of all the main pharmacopoeias.

CDMO activities are the priority in Indena's strategic vision. Today, Indena has a multipurpose GMP plant equipped with reactor ranging from 250 lt to 10,000 lt (Stainless Steel, Hastelloy, Glass-lined); a kilo lab LK2 to offer different capacities for products at the highest containment level (OEL 20 ng/m<sup>3</sup> or OEB5); two spray dryers, large and a mid-size, working with organic solvents; a 20-liter hydrogenator being complemented by a 250-liter hydrogenator (ready at the end of 2023) to satisfy a wider demand for this kind of chemistry.

[www.indena.com](http://www.indena.com)

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