

PLANTS FOR PLANTS®



EXTRACTION, ISOLATION AND PUR

Indena Custom Services for extraction, isolation and purification of natural derivatives include a full range of manufacturing capabilities for food and pharma grade ingredients across a wide range of scales.

The combination of Indena's expertise and state-of-the-art facilities delivers products and processes from small scale to large commercial manufacturing supplies.

Indena's R&D center is located in Italy, while the production units are in Italy, France and India.

Indena's facilities incorporate separated and authorized areas for handling pharma and food grade natural derivatives and the Quality System ensures compliance to cGMP and Hazard Analysis and Crytical Control Points (HACCP) guidelines respectively.



- Scientific research services in the field of botanical extracts for use in the chemical, pharmaceutical, hygienic and beauty care fields.
- Extraction, isolation and purification process development, scaling-up and manufacturing
- Phase-specific analytical development and validation
- Control of incoming raw materials and biomasses
- Characterization, certification and control of incoming raw materials and biomasses
- Agronomical development and GACP (Good Agricultural Collection Practices) compliant cultivation of food and medicinal plants
- QC testing of in-process materials
- Stability studies according to ICH guidelines
- Commercial production of APIs in italian AIFA and US-FDA inspected manufacturing sites
- High containment areas
- Food commercial production scale in authorized areas







FICATION OF NATURAL DERIVATIVES



QUALITY MAMAGEMENT

- DEDICATED QA UNITS
- TRAINED AND EXPERIENCED PERSONNEL
- ICH COMPLIANCE
- ISO14001 ACCREDITATION
- CGMP AND HACCP

FEATURES

- HAMMER AND KNIFE GRINDERS
- STATIC AND DYNAMIC PERCOLATORS
- LIQUID-LIQUID EXTRACTORS
- REACTORS
- CONCENTRATORS (ALSO THIN LAYER)
- LARGE SCALE CHROMATOGRAPHY
- CENTRIFUGES
- FILTER-PRESS
- STATIC AND DYNAMIC DRYERS
- MICROWAVE DRYERS
- ATOMIZERS
- MILLS AND SIEVES
- MIXERS
- HIGH CONTAINMENT AREAS EQUIPPED WITH GLOVE BOXES

SERVICES

- BOTANICAL R & D
- AGRONOMICAL R & D
- GACP CULTIVATIONS
- PROCESS DEV.
- SCALING-UP
- PROCESS VALIDATION
- MANUFACTURING
- SCIENTIFIC RESEARCH

OPERATIONS

- GRINDING
- FXTRACTION
- CONCENTRATION
- ISOLATION
- PURIFICATION
- CRYSTALLIZATION
- DRYING
- WEIGHING
- PACKAGING
- CHROMATOGRAPHY
- SEMISYNTHESIS

ANALYTICAL CAPABILITIES

- HPLC-RID
- HPLC-DAD
- HPLC-ELSD
- HPLC-FD
- ELISA
- HPLC-MS
- UPLC-UV
- UPLC-DAD
- GC-FID
- GC-NPD
- HPTLC
- TOC
- DVS
- TG/DTA
- DSC
- SUNTEST
- BIOANALYZER
- MICROSCOPY
- PPSL
- XRPD

indena

Indena S.p.A. is the world's leading company dedicated to the research, development and production of active principles derived from natural sources.

With its capabilities and expertise, Indena covers food supplements and pharmaceutical areas, producing bulks of active ingredients under cGMP guidelines in AIFA and FDA approved environment, starting from biomasses obtained according to GACP guidelines.

Today Indena opens its **facilities** for custom services, sharing with customers its **innovative research and production capabilities** at lab, kilo-lab and industrial scale, also in the field of Highly Potent Active Ingredients (HPAIs).

More than Ninety years of Indena presence in the pharmaceutical market are a guarantee of high quality standards and reliability, that just a few companies in the world can claim.

Indena is a private Italian company based in Milan (Italy); it employs more than 800 staff distributed on 1 R&D Centre, 5 production sites and 5 international branches throughout the world and manages sales in more than 70 countries.





CONTACT US

Indena S.p.A. Viale Ortles, 12 20139 Milano, Italy

Indena.com







