

QUALITY

The quality of botanical extracts means the quality and control of the entire production chain, from the procurement of vegetal raw materials to checks on the finished product.

Indena has always managed all stages of the manufacturing process in strict accordance with the most accredited protocols and particularly verifies and guarantees the following:

- **Quality of the raw material:**
 - identification of the plant, through specific protocols and analyses, such as for example botanical checks, chromatographic profiles, or DNA analysis which Indena carries out on all vegetal raw material used, to ensure certain identification of the plant;
 - purification of the botanical extract;
 - standardization of the extract, to ensure that it always has the same composition of constituents to reduce the natural variability present at the outset in the plant as well as titration (i.e. the concentration of the characteristic chemical class);
- **control of the supply chain:**
 - suppliers should be accredited on the basis of rigorous criteria of quality, sustainability and traceability;
 - GAPC guidelines for good agricultural and harvesting practices should be implemented in the supply chain;
 - compliance with the principles of biodiversity and sustainability indicated by international conventions and standards such as the Convention on Biological Diversity (CBD);
 - the entire supply chain should be under continuous control from cultivation which is constantly monitored by agronomists and botanists, up to the delivery of the raw material to the production sites;
- **quality of the manufacturing processes:**
 - technologically advanced and safe production plants for both raw materials and operators;
 - processes compliant with production standards and regulations such as Good Manufacturing Practices (GMP) and the Hazard Analysis Critical Control Points manual (HACCP);
 - use of high-quality, precisely defined excipients to optimize the effectiveness of the active ingredient;
 - meticulous inspection of the finished product.

All in all, Indena conducts over 30 checks during the entire supply chain.