



*A BIFUNCTIONAL ECO-EXTRACTION
TO BUILD A FUTURE
FOR CONSCIOUS COSMETICS!*

Nature is an ecosystem and human activity must respect it if we want to offer a future to the next generations. The Sustainable Development is the core value of the Solabia Group that drives its R&D innovation as well as its industrial action plan. Decreasing the water consumption, encouraging the use of recycled raw materials, limiting the production of waste, developing active ingredients by integrating upstream environmental criteria are some of the key actions reported within its CSR policy.

SOLAGREEN® SUPERFLUIDS TECHNOLOGY

Specialized in plant conventional extraction mainly using natural solvents, Solabia is moving toward Eco-conception to be closer to the Green Engineering Excellence and developed a unique industrial bifunctional equipment and related extraction processes!

The SOLAGREEN® Superfluids Technology is based upon the complementary extracting properties of two Superfluids: The **subcritical water** and the **supercritical CO₂**, used separately or combined within two-steps process. This High performance eco-extraction aims to enhance the exploration of plant phytochemistry by focusing on molecule polarity (from polar, weakly polar to non-polar ones) while sublimating the best that Nature has to offer. This global technology and its 2-in-1 equipment form a coherent whole and allow to screen and optimize the extraction of some specific molecules and molecular families of interest for skin and hair applications. The SOLAGREEN® Superfluids Technology is providing many environmental benefits such as energy saving (strong decrease of the extraction time), use of non eco-toxic and non-organic solvent, procurement of biodegradable active ingredients with post-production plant recycling, compliance with COSMOS Standards... From the development of inspirational extracts and active ingredients to the proposal of exclusive customized projects, SOLAGREEN® SuperFluids Technology offers a wide range of Eco-sustainable Green Innovation opportunities.

<http://www.solabia.com>