

Expanscience unveils GAÏALINE®, its first active ingredient derived from regenerative agriculture, 100% made in France

La Défense, 15/04/2024 - Expanscience, the world's leading supplier of cosmetic ingredients and certified by B Corp, launches its new active ingredient, GAÏALINE®, which is effective on both skin and hair.

GAÏALINE®, Expanscience's first active ingredient derived from soil conservation agriculture, marks a major step forward in the cosmetics industry. This launch is part of Expanscience's journey to become a company with a regenerative aim by 2040.

GAÏALINE®: a French active ingredient derived from conservation agriculture

To develop this new active ingredient, Gaïaline®, Expanscience made the dual choice of responsible and local production, working with Ludovic Joiris, a farmer located in Dourdan (Essonne), just 32 km from Expanscience's IRD and production site (based in Epernon, Eure-et-Loir). Committed to conservation agriculture for over 20 years now, the farm is certified "Au Cœur des Sols" by the Association for the Promotion of Sustainable Agriculture (APAD), guaranteeing a fertile, high-quality and environmentally and biodiversity-friendly production system.

GAÏALINE® is made from flax sourced from conservation agriculture, a regenerative method based on three main principles: permanent soil coverage, sowing without soil tillage and crop diversity and rotation. Thanks to these three complementary principles, the soil is regenerated, allowing biodiversity to reclaim its place. This makes it more resistant to erosion and climate change and, above all, contributes to carbon sequestration in the soil. This approach gradually improves yields and promotes stable and efficient production.

Ever mindful of its environmental responsibility, Expanscience has developed GAÏALINE® in line with the UN Sustainable Development Goals, which include promoting sustainable agriculture and the sustainable use of land ecosystems to halt biodiversity loss.

"GAÏALINE® stands out for its dual beneficial impact on skin and hair, but also for its sourcing and production method. Containing "Au Cœur des Sols"-certified flax, this active ingredient is both effective and environmentally-friendly. Gaia, the Greek goddess of the Earth, inspired us to develop this regenerative active ingredient!" - Armelle Le Pénic, Director of Cosmetic Active Ingredients.

The dual-action active ingredient: protect hair and slow skin aging

GAÏALINE® is a natural, liposoluble active ingredient, rich in linseed oil unsaponifiables and obtained through molecular distillation, a solvent-free process with minimal environmental impact. This signature process from Laboratoires Expanscience requires real expertise. Numerous in-vitro and ex-vivo studies show that GAÏALINE® protects the key markers of the epidermis, the dermo-epidermal junction (DEJ) as well as the dermis (telomeres,

keratin 10, filaggrin, hyaluronic acid). The active ingredient also ensures the integrity of the stratum corneum by boosting ceramides, keratin 14 and collagen 17. Skin feels smooth and even.

A clinical study on 48 women (GAÏALINE® vs. placebo) confirms that the active ingredient:

- Strengthens the skin barrier by stimulating the skin's essential lipids (long ceramides) and maintains its moisture,
- Reduces the skin micro-relief, class 1 wrinkles and unevenness for a smoother complexion.

GAÏALINE® is therefore an active ingredient that protects, strengthens and regenerates the barrier function to slow down skin aging.

Only 1% GAÏALINE® in a formulation is required to provide a natural and effective solution to prevent skin aging.

A second clinical study was conducted to demonstrate the effectiveness of the active ingredient on the hair. The results prove that GAÏALINE® protects damaged hair from daily deterioration (discoloration, blow-drying and heat) by creating a protective sheath.

In addition to responding to consumers' need for transparency by providing guarantees in terms of respecting the environmental, sustainability and traceability of the supply chain, GAÏALINE® meets the expectations of the beauty market by regenerating the soil, skin and hair!

Find out more: <https://www.expanscience-ingredients.com/en/our-active-sensorial-ingredients/gaialine>

About the Cosmetic Active Ingredients activity of Laboratoires Expanscience:

Expanscience's Cosmetic Active Ingredients activity was born in 1977 with the upcycling of our avocado oil, a co-product of our pharmaceutical activity. We are a supplier of active and sensory ingredients for cosmetic brands in France and abroad. We offer the best of nature to the cosmetics industry with innovative active ingredients that preserve and help restore biodiversity. With 40 years of experience in the field of plant raw materials, our mastery of technologies such as molecular distillation or plant extraction allows our Innovation, Research and Development (IR&D) team to design cosmetic actives and sensory ingredients of 100% natural origin, contributing to the well-being of body and mind.

About Laboratoires Expanscience:

You don't give your all without a good reason. At Expanscience, we are a mission-driven company and our purpose is to help individuals shape their well-being, from the youngest to the oldest. That's what has motivated us to move forward, carry out research and innovate for over 70 years. Independence is our lifeblood. We're a French company that is 100% family-owned, with products in over 100 countries, brands like Mustela and Babo Botanicals, and a wide range of eco-designed cosmetic active ingredients. For us it's clear: the well-being of people cannot be separated from that of the planet, and it's up to all of us to ensure this. Our positive impact on society and the environment has been recognized by B Corp certification, and through our "impACT" CSR program we are undertaking to become a company which has positive impact and a regenerative aim.

Laboratoires Expanscience at a glance:

- Founded in 1950; independent French family-owned company
- Four businesses: Dermo-Cosmetics, Dermatology, Rheumatology, Cosmetic Active Ingredients
- 2024 turnover: €339,1M, 78% of which from international sales
- 1,226 employees and 13 subsidiaries
- 2.3% of turnover invested in research and development
- Find out more: www.expanscience.com

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