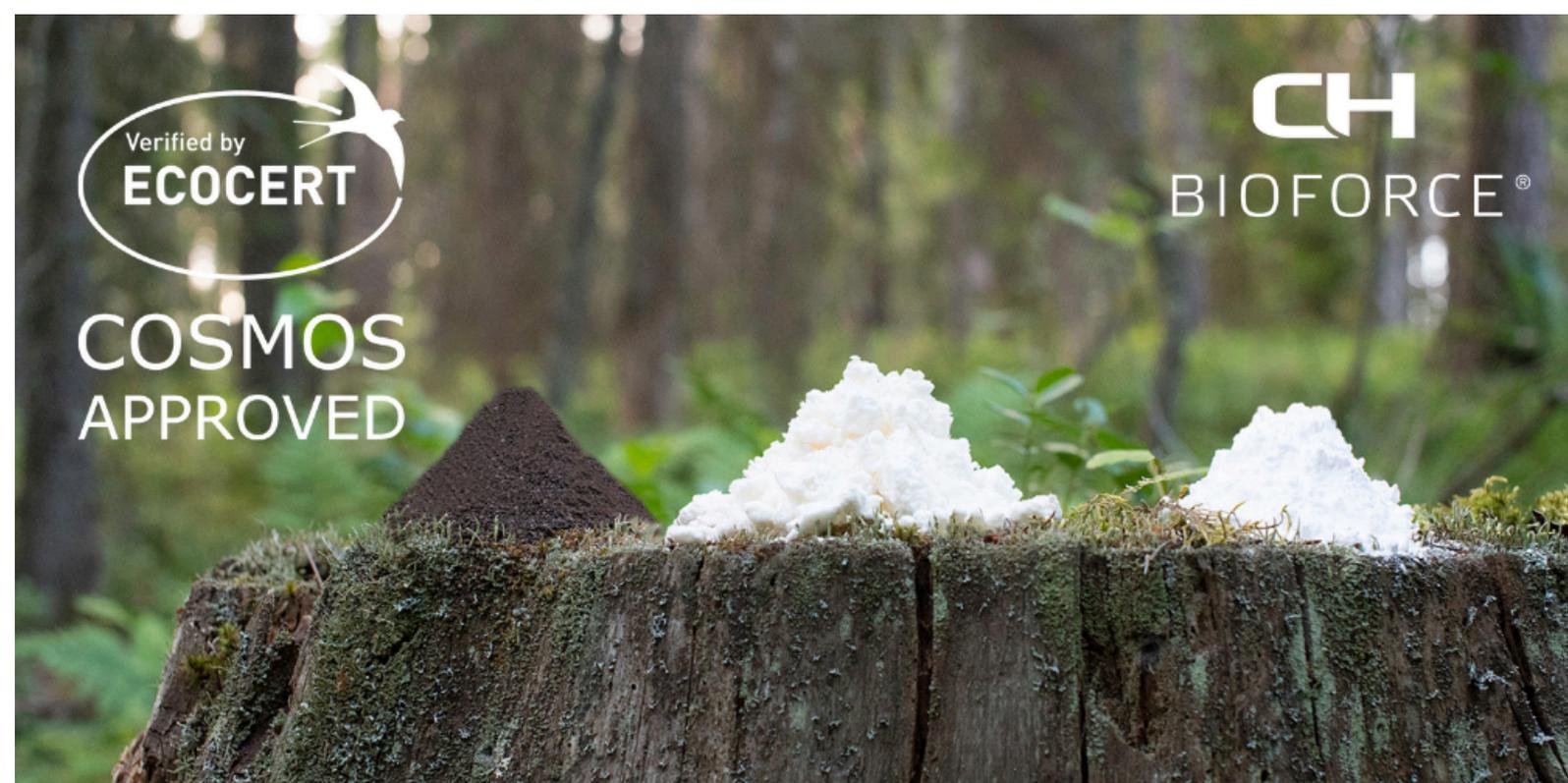


Finnish biorefinery CH-Bioforce achieves COSMOS certification for XYLENSE® and LIGNENSE® produced with patented BIOFORSENSE® technology

PRESS RELEASE

13 January 2026. For immediate release.

CH-Bioforce News: COSMOS Certification achieved for XYLENSE® and LIGNENSE®, produced by patented CH-Bioforce BIOFORSENSE® technology.



CH-Bioforce has achieved COSMOS certification for its cosmetic ingredients [XYLENSE®](#) and [LIGNENSE®](#), confirming their compliance with one of the most widely recognised international standards for natural and organic cosmetic ingredients.

The COSMOS certification verifies that XYLENSE and LIGNENSE meet strict requirements for natural origin, responsible sourcing, processing methods and traceability throughout the value chain. Both ingredients are derived from upcycled Finnish oat husk sidestreams and developed using [patented BIOFORSENSE technology](#).

“For cosmetic formulators, COSMOS certification is not just a label. It is a signal of credibility, regulatory confidence and transparency,” says Mari Taipale from CH-Bioforce. *“Achieving COSMOS certification for XYLENSE and LIGNENSE supports our commitment to delivering natural ingredients that are not only sustainable, but also proven to perform.”*

XYLENSE is a multifunctional hemicellulose offering emulsification, film formation, hydration support and improved sensorial properties. LIGNENSE is a multifunctional lignin providing antioxidant and UV-absorbing properties, with additional research demonstrating antimicrobial potential. Both ingredients are designed to help formulators replace synthetic polymers and microplastics while maintaining formulation performance.



As regulatory pressure increases and demand for certified natural ingredients in cosmetics continues to grow, COSMOS certification helps reduce complexity for brands and formulators developing compliant cosmetic products for global markets.

The certification further strengthens CH-Bioforce's position as a provider of upcycled, high-performance cosmetic polymers that combine sustainability, traceability and scientific validation.

XYLENSE and LIGNENSE are available globally for cosmetic applications.

CH-Bioforce makes the world make sense by enabling high-quality, carbon-neutral and cost-efficient biopolymers from renewable sources through unique BIOFORSENSE® -technology.

For more information, visit www.ch-bioforce.com.

Requests and further information:

Mari Taipale

Chief Operating Officer

[+358 40 539 6609](tel:+358405396609)

mari.taipale@ch-bioforce.com

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