

Sustainable biomanufacturing of high-quality cosmetic ingredients

Viablife Biotech

www.viablife.com/www.viablife.net

PRODUCT/SERVICE BACKGROUND INFORMATION

Plant extraction and chemical synthesis of cosmetic ingredients can require significant land, organic solvents, hazardous reagents, and energy-intensive processes. Biomanufacturing offers a greener alternative by producing valuable molecules from renewable feedstocks under mild conditions, reflecting a growing trend in the cosmetics industry. Viablife is a leading biotechnology company specializing in cosmetic ingredient biomanufacturing. With proprietary technologies and wholly owned manufacturing facilities, we integrate synthetic biology, fermentation engineering, AI, and automation to develop high-purity, cost-effective ingredients and customized solutions for cosmetic companies worldwide.

WHAT IS THE COMPANY INTRODUCING TO THE MARKET/INDUSTRY?

Viablife introduces three premium cosmetic ingredients: 100% bio-based niacinamide, a comprehensive portfolio of ceramides, and sugar-based squalane. Powered by patented technology, our bio-based niacinamide is the world's first fermentation-derived niacinamide and features ultra-low nicotinic acid content. Our ceramide portfolio spans a full spectrum of ceramides and innovative blends designed to address solubility challenges in water and oil based formulations while delivering diverse skincare benefits for different needs. Sugar-based squalane completes the portfolio with a lightweight skin feel, expanding possibilities for high-performance skincare development.

HOW WILL THIS NEW PRODUCT/SERVICE IMPACT THE INDUSTRY (BENEFITS)?

Viablife advances the transition toward more sustainable cosmetic manufacturing by replacing conventional petrochemical-based production routes with biomanufacturing alternatives. Our 100% bio-based niacinamide reduces reliance on petroleum-derived feedstocks and pyridine-based raw materials, while our broader ingredient platform demonstrates the potential of biotechnology to diversify cosmetic ingredient supply chains. By combining renewable feedstocks, fermentation, and engineered biological systems, Viablife helps the industry move toward more resource-efficient manufacturing while supporting long-term innovation and supply chain resilience.