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Metabolic Beauty via autophagy-driven homeostasis: Targeting cellular detoxification, mitophagy & ferritinophagy for skin longevity

SILAB

www.silab.fr/en

PRODUCT/SERVICE BACKGROUND INFORMATION

The industry is shifting from general anti-aging to precision cellular regulation. SILAB leverages research on autophagy and selective ones, specifically mitophagy and ferritinophagy, to address root causes of aging.

By integrating CELLDETOX® for cellular detoxification, RECOVERINE® for cellular energy production and barrier cohesion, and METALLOMIA® for precise iron regulation, SILAB offers strategic solutions to restore metabolic homeostasis, to ensure optimal tissue longevity and to unveil natural beauty.

This trio defines a new chapter of metabolic beauty, where skincare benefits are driven by the optimization of fundamental cellular recycling mechanisms.

WHAT IS THE COMPANY INTRODUCING TO THE MARKET/INDUSTRY?

SILAB introduces 3 active ingredients to stimulate and optimize autophagic pathways:

- **CELLDETOX®** (rich in *Candida saitoana* α-glucanes) to accelerate the clearance of lipofuscin and dysfunctional organelles by stimulating autophagy system.
- **RECOVERINE®** (from chestnut) to trigger mitophagy, boosting ATP production for keratinocyte function and enhancing barrier integrity *via* PAD enzymes.
- **METALLOMIA®** (from marshmallow), to regulate ferritinophagy to control iron release and improve resilience to UV.

This represents a paradigm shift from general anti-aging treatment to precise cellular recycling and metabolic rebalancing, establishing a new standard for metabolic beauty in the anti-aging sector.

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

Through its trio of active ingredients, SILAB offers scientifically precise solutions based on cellular recycling mechanisms that support skin longevity. By optimizing cellular function, these solutions deliver visible results, thereby redefining "metabolic beauty" as a key driver of skin vitality. Benefits include:

- **Enhanced cell detoxification**: By clearing lipofuscin, products extend cell life and smooth micro-relief wrinkles.

- **Reinforced barrier function**: Increased ATP and PAD activity restore cohesion and desquamation balance, ideal for dry skin.
- **Advanced protection**: Controlled iron regulation prevents massive oxidative bursts during UV exposure, crucial for menopausal skin.