SYN®-Peptides
Revealing the Power of Visible, Targeted Effects
The SYN®-Peptides portfolio

At DSM we believe that the quest for perfect skin is a powerful driver for scientific research. And we are convinced that our small synthetic peptide molecules are making a big difference, opening up new dimensions in skin care to deliver ultimate results.

DSM has developed a unique and proprietary portfolio of synthetic molecules with low molecular weight and high efficacy – the SYN®-Peptides range. Each individual SYN®-Peptide offers a specific skin benefit based on substantiated efficacy. The range is proven to be highly effective in the fight against even pronounced skin ageing concerns.

As a pioneer in synthetic peptides, DSM owns a patented portfolio of SYN®-Peptides. Our in-depth knowledge of peptide processing technology and formulation ensures quality and flexibility over the whole production process at scale. SYN®-Peptides are offered as stable compositions easy to blend into various skin care applications. The unique peptide structure is aimed to target specific processes and to guarantee visible results.
What makes the SYN®-Peptides portfolio unique?

Proteins and peptides play an important role in the beauty of skin as structural components such as collagen, elastin and laminin, and as inhibitors and stimulating agents such as growth factors like TGF-β or regulators of biochemical processes.

At DSM, we use our bright science to develop very small-sized but potent tri- and tetra-peptides that are more likely to ensure visible, targeted effects. Their increasing success is based on the fact that they are trusted as biologically-active ingredients and that they perfectly fit consumer desires for powerful ingredients based on scientific breakthroughs.

The design of SYN®-Peptides is inspired by naturally-occurring proteins and peptides. Our state-of-the-art peptide synthesis technologies allow tailor-made modification to mimic natural peptide activity. Thanks to their activity and stability, SYN®-Peptides help to maximize the value of cosmetic formulations.

Our entire SYN®-Peptides range is offered in a stable glycerin/water base with no additional preservative system. This allows broad application in most cosmetic formulas at the low level of 1 to 4%. Each SYN®-Peptide is claim-substantiated based on thorough in vitro and in vivo study results, and comes with formulation guidance.
SYN®-TACKS
For firm and compact skin
A well-folded dermal-epidermal junction (DEJ) is the basis for healthy, firm skin. As we get older, the DEJ becomes flatter and less well organized, resulting in wrinkles and other signs of aging. SYN®-TACKS restores DEJ function by boosting the synthesis of hemidesmosomal proteins. It increases elasticity, firmness and suppleness, so that skin looks and feels younger within weeks.

SYN®-HYCAN
For contour remodeling
Loss of skin firmness is one of the very visible signs of aging. SYN®-HYCAN helps fight skin sagging by boosting hyaluronan content in the skin. The tripeptide also increases the expression of decorin and lumican, two important proteoglycans, which support the formation of new collagen fibrils and increase their quality and strength. Fresh hyaluronan and stronger collagen fibrils result in a visible remodeling effect.

SYN®-COLL
Reverse visible signs of photo-aging in just 4 weeks
SYN®-COLL – a small molecular synthetic peptide – has been designed to prevent the formation of wrinkles and to reduce their appearance. The SYN®-COLL molecule has a dual effect. Firstly, it boosts collagen by mimicking the human body’s own mechanism to activate latent transforming growth factor beta, TGF-β (Tissue Growth Factor), a key element in the synthesis of collagen. It also protects collagen from degradation through the inhibition of matrix metalloproteinases (MMP). Both activities work synergistically to maintain complete structural integrity of the skin.

SYN®-AKE
For expression lines
Facial expressions are part and parcel of daily communication. Young skin is resilient to involuntary muscle contractions of the face, but older skin develops expression lines, such as crow’s feet and forehead wrinkles. Let your face relax without losing the ability to express yourself. SYN®-AKE’s effect reduces the appearance wrinkles, and is fast acting, long-lasting and fully reversible.

SYN®-TC
For smooth skin
SYN®-TC is a synthetic peptide-based complex, tailor-made to ensure best performance for high-performing, facial anti-ageing formulas. It significantly increases the formation of Collagen I, III, IV, VII and XVII to facilitate their unique contribution to beautiful, smooth skin. In a comprehensive study, consumers confirmed they experienced a new dimension of skin smoothing. In only 28 days at a usage level of 2.5%, skin becomes smoother with a softer touch and an improved overall young-looking appearance.
Revealing the Power of Beauty

At DSM we believe that beauty enriches people’s lives.

With a passion and sense of beauty woven into the very fabric of our organization, our vision is to deeply engage with our customers to realize beauty’s true potential.

That’s why we continually challenge ourselves to understand in depth our customers’ needs, their brands and people’s beauty aspirations worldwide. These insights drive us every day to reveal beauty’s power.

With foresight and imagination we connect and leverage our bright science in Skin, Sun and Hair Care to craft transformational beauty care ingredients and concepts that are loved – for superior performance, ultimate sensations and impeccable quality and reliability.

All our creativity and solutions-based thinking is dedicated to inspiring our customers worldwide, allowing us to create together a brighter, more beautiful world for people today and generations to come.

For more information, please visit us online at www.dsm.com/personal-care