

It has been clinically proven Peptides can reduce the signs of aging by promoting cellular activity in aging skin. When collagen is depleted by age and environmental factors skin becomes thinner and loses elasticity resulting in obvious signs of aging. [Research from the National Institutes of Health \(NIH\)](#) shows that these peptides send a "message" to your skin that it has lost collagen and needs to generate more.

The most commonly used peptide in skin care is **Matrixyl** (palmitoyl- or oligopeptide pentapeptide). Matrixyl is a neuropeptide. They modulate the function of neurotransmitters and are released as chemical messengers from nerve cells.

Matrixyl 3000 is an anti wrinkle innovation developed by cosmetic chemical manufacturer Sederma. It is found in hundreds of skin care products focused on anti ageing. Sederma is a subsidiary of French chemical company Croda, which manufactures chemicals for home, health and crop care. Sederma claims the product restores skin's metabolism of youth by stimulating synthesis of Collagen-I, -IV, -VII, -XVII and Nidogen-I proteins. Matrixyl combines two peptides, palmitoyl tetrapeptide-7 and palmitoyl oligopeptide, resulting in an entirely new super peptides. Numerous skin care brands incorporate into their formulas and usually combine the ingredient with other anti wrinkle ingredients. The recommended dosage of Matrixyl is 2%, however, often manufacturers use lower or higher percentages based on their budgets.