

Abstracts

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Hydrolysed Proteins in Cosmetic's Production, Part II

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Proteins have been used in cosmetics from time immemorial, mainly in form of plant or animal extracts. Nevertheless, just 40 years ago first hydrolysates of isolated proteins were introduced. Nowadays, they belong to the most often used group of active ingredients, primarily for hair care and top quality cleansing products. Typology of available hydrolysates is various, with regard to source of their origin and diversity of production processes. However, there is a strong dependence between their cosmetic activity and physicochemical properties, such as average molecular weight, charge or hydrophobicity.

About the Efficacy of Dietary Supplements

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Numerous studies confirmed the efficacy of special dietary supplements (nutricosmetics). Antioxidants, vitamins and minerals, etc. are necessary for maintaining the health of

skin and hair. They are, however, not always provided to a sufficient extent by our daily diet.

A New Cosmetic Active for Safe Skin Brightening

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Lipotec SA.

The use of skin brighteners vary between cultures and races. In Western countries, skin brightening agents are applied for the treatment of hyperpigmented spots and the production of an even skin tone. In Asia, the use of skin brighteners is widely extended; lighter skin is a desirable feature and it is considered a symbol of beauty and femininity. Skin brightening products face a worldwide market and its intended uses range from genuine therapy to beauty-enhancing products. Abnormalities of human skin pigmentation occur as result of both genetic and environmental factors. Acute or persistent UVB exposure can result in the formation of hyperpigmented lesions in skin, such as melasma, age spots, freckles and other lentigines (1). Many skin depigmenting agents are used to treat these pigmentation disorders. Most of current skin brightening agents shows numerous adverse effects such as high irritant and sensitising potential, melanocyte cytotoxicity and instability in formulations. A review of the common side effects of skin depigmenting agents is outlined in this article. A potential novel skin brightener was tested for efficacy and safety with satisfactory results. The product presents no side effects, good efficacy in vitro and in vivo and, as a singular characteristic unlike the rest of skin brighteners, a photoprotective effect.

* These abstracts appear as they were originally published. They have not been edited by the *Journal of Cosmetic Science*.

Stabilizing Detergent Formulation Costs in a Changing World Economy

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Novozymes A/S

A challenge for detergent manufacturers in recent years has been managing higher raw material costs, while maintaining prices for their customers in a highly competitive consumer market. In addition, detergent manufacturers struggle to provide greater convenience to consumers and sustain detergent performance, while reducing levels of surfactants to stabilize their formulation cost base. Novozymes invites detergent manufacturers to take an innovative leap and use bioinnovation to stabilize their cost base and give their customers the performance they demand. Enzymes are non-petroleum based products and have not been pressured by increasing energy costs or shortage of resources. In addition, enzymes have been used for many decades by detergent manufacturers to offer a variety of high-performance consumer benefits. Thus, by replacing a percentage of the overall detergent formulation

with enzymes – detergent manufacturers can stabilize and in some cases even reduce their formulation costs without compromising performance.

Trends in Home and Personal Care Products Fragrances

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While one thinks on “world of scents” first that is on his mind is fashion house that tries to design new trends, fitting fragrances to consumer expectation, as well as design new directions in fragrances. Trends in perfumery are adapted to cosmetic products, and afterwards also applied as fragrances of household and homecare products. Polish market of cosmetics and detergents as other world markets follows that trend. The paper deals with trends in fragrances of cosmetics and household products in the Polish market.