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Comparison of Anti-Aging Effect Between Vitamin B3 and Provitamin B5 Using Skin Analyzer

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Abstract : Great skin is a status symbol. It's a reflection of health and well-being, youthfulness and vitality. Today, with a little effort anyone can have great skin. Niacinamide (vitamin B3) and d-panthenol (provitamin B5) are widely used in cosmetics products, especially skin care products because it is able to improve the signs of premature aging. Sheet mask is easy to use and able to increase the penetration of active substances into the skin than other product form.The aim of this research is to compare effect of vitamin B3 and provitamin B5 as anti-aging in sheet mask. Evaluation of sheet mask preparation includes homogeneity test, viscosity test, pH test, stability test, irritation test, and anti- aging effect using the skin analyzer device. Parameters measured include moisture, evenness, pores, spots and wrinkles. The results showed that d-panthenol had better effect on increasing skin moisture and improve skin evenness, meanwhile niacinamide had better effect on reducing pore size, spot, and wrinkle. The higher concentration of the vitamin in the essence can enhance the effect of anti-aging.
Keywords : anti-aging, vitamin B3, provitamin B5, sheet mask, comparison, skin analyzer.

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