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Abstract :

The effect of glycolic acid to the effectiveness of sunscreen products using butyl methoxydibenzoyl methane and octyl methoxycinnamate as the active ingredients has been investigated. The indicator of the sunscreen effectiveness was Sun Protecting Factor (SPF) value. Five formulas of sunscreen products with different concentrations of glycolic acid i.e. 0 %, 9 %, 10 %, 11 % w/w and the gel base as control were made. The measurement of the SPF value was done by Petroâ€™s Spectrophotometry method. The result showed that glycolic acid increased the effectiveness (SPF value) of the sunscreen products that their extra protection effect changed to maximum protection effect.

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