

〈教育シリーズ〉

皮膚をみる人たちのための化粧品知識

遮光製品（サンスクリーン）とその作用

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Sunscreen Characteristics and Their Effects

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Abstract

In recent years, it is reported that UV light affect DNA damage, skin cancer and photo-aging such as age-spots and wrinkle. Along with the increasing awareness to protect the skin from UV light in these days, multi-functionalization is required to sunscreen not only for pool, sea and sports use, but also for daily use. Functions of sunscreen are needed to have high UV protection efficacy and less burden use feeling on the skin such as transparency after applying, moisturizing effect and comfortable feeling. In addition to that, it is reported that friction resistant function is important from the view point of actual consumer dairy life. This article reviews sunscreen formulations with high UVA protection efficacy and moisturizing of W/O technology by using plate like zinc oxide, and even protection film O/W technology by using α -gel capsule of UV absorbers. Furthermore, it also reviews UV protect evaluation method of sunscreen and sunscreen effects for photodermatosis, skin cancer and photo-aging such as age-spot, wrinkle and skin color evenness.

Key words: UV, sunscreen, evaluation, friction, effect.