

シンポジウム “光と皮膚と化粧品”

## 8) サンスクリーンとSPF

福田 実\*

### Sunscreen and Sun Protection Factor in Japan

Minoru FUKUDA\*

#### Abstract

SPF (Sun Protection Factor) is usually recognized as the optimum indicator for evaluating the abilities of sunscreen products to protect our skin against acute or chronic sun damages, such as sunburn, skin aging and skin cancer.

Recently the manifestation of SPF on sunscreen products has become to be very popular in the world cosmetic markets, including United States, Europe, Australia and Japan.

However it was coming out that there were great disparities of the protective efficacies among the sunscreen products manifested the same SPF number.

It is clear that this contradiction was caused by the different test methods or test conditions which different countries or different laboratories have for SPF determination.

In this report, the American method (FDA-Method, 1978), the Australian method (AS 2604, 1983) and the German method (DIN 67501, 1984) for SPF determination were discussed.

Moreover the several factors, such as light sources, skin complexions and tested amounts, affecting on SPF were examined to make clear the test conditions, which should be standardized for a future SPF testing method in Japan.