

〈原 著〉

Immediate Pigment Darkening 反応を使った UVA サンスクリーン剤の評価

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Evaluation of UVA Sunscreen by Using IPD Reaction

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Abstract

We carried out evaluation of UVA sunscreens by using Immediate Pigment Darkening. Evaluations were carried out in both outdoor and indoor systems. In the indoor system, a Wacom 300 light source was used to provide light. The ratio of the minimal IPD dose between human skin with and without a UVA sunscreen was defined as the effect of UVA sunscreen. Ratio of UVA protection measured in the outdoor system were higher than those in the indoor system. However, we concluded that the IPD reaction could be used for evaluation of the effect of UVA sunscreen.

Key words: IPD, UVA Sunscreen, Score of UVA Protection, Minimal IPD dose.