

SUN CARE

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MPOB TT No. 243 - NIKI Sunscreen Lotion SPF 20+
MPOB TT No. 244 - NIKI UV Defence Cream

In recent years, people have become increasingly aware that overexposure to sunlight, particularly to UV radiation (UVA and UVB), has harmful effects to human skin. It is well known that UVB induces a variety of cellular damage including DNA photodamage, while there is also an increasing evidence that UVA contributes to skin carcinogenesis and premature aging. Therefore, people are showing a growing interest in protecting their skin from these harmful effects of UV radiation. Hence, sunscreens or sun care products are widely used in attempts to block and/or decrease all kind of UV induced damage to maintain the health of the skin during and after sun exposure.

NIKI SUNSCREEN LOTION SPF 20+

NIKI Sunscreen Lotion (Figure 1) is formulated to contain physical and chemical sunscreen agents to provide the protection against both UVA and UVB radiation. Since exposure to UV light can also cause the skin to feel dry and taut, moisturizers are added to help to reduce or reverse the appearance of dryness and relieve the tautness of the skin.

The presence of a combination of chemical and physical sunscreen agents in NIKI Sunscreen Lotion provides, by *in vitro* method (Rosnah, 2002), a Sun Protection Factor (SPF) of 25 with good UVA protection. While the presence of a skin natural moisturizing factor (NMF) in the form of natural



Figure 1. NIKI Sunscreen Lotion SPF 20+.

lactates provides a significant moisturizing effect (Figure 2) to the skin. Hence, NIKI Sunscreen Lotion is a 2-in-1 functionality product that provides protection against UV radiation, at the same time moisturizes the skin.

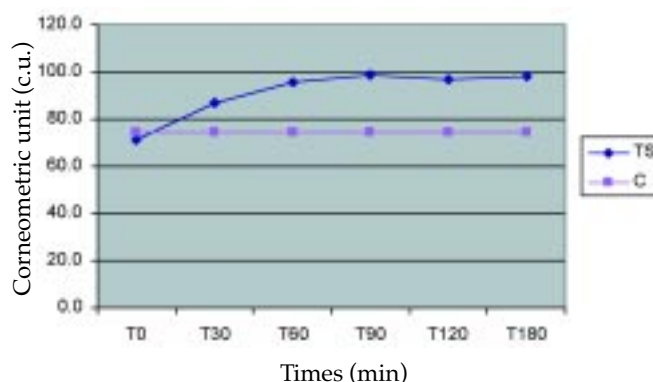


Figure 2. Skin hydration of product (TS) vs. control (untreated).



NIKI UV DEFENSE CREAM

NIKI UV Defense Cream (Figure 3) is also formulated to contain both physical and chemical sunscreen agents in order to provide the protection against UVA and UVB radiation and a skin NMF to moisturize the skin. Moreover, the cream is formulated into three



Figure 3. NIKI UV Defense Cream.

different skin tones from light, beige to tan in order to provide the natural look for all skin types. Also by *in vitro* method, the UV Defense Cream has SPF ranges between 22-28.5 with superior UVA protection (Rosnah and Zafarizal Aldrin, 2003). Hence, NIKI UV Defense Cream is a 3-in-1 functionality product that provides protection against harmful effect of UV radiation, at the same time moisturizes the skin and it can also be used as a foundation.

REFERENCES

ROSNAH ISMAIL (2002). Study 75-02 *in vitro* SPF evaluation of sunscreen.

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