

Resistance to Sand Pick-up - 5 subjects

Objective: To determine the performance of a sample product to physical attachment of sand to the skin after physical contact. Appropriate for claims of sand resistance.

Experimental Design

NB: Only 1 material or product may be tested with a comparative product or untreated control. Comparative product should represent a similar product category to test products, and may be submitted blindly. Alternatively, Petroleum Jelly will be used as a control.

Subjects

- Male &/or female, random selection.
- Informed of nature of test and possible adverse reactions. Only includes those who certify informed consent and are dependable, able to read, understand and follow directions.

Test Materials - liquids - approx. 50ml ; powders, semi-solids - approx 50g.
Quantity per test. - to be specified by client in line with proposed product label instructions.

Method

Skin area to be tested will be washed 10 times with Simple Soap, in order to artificially induce a dry skin condition.

Product is applied on controlled quantity of 2mg/sq cm unless otherwise instructed by client.

Film of test product is allowed to dry on the skin for 15 minutes.

Test area is placed in physical contact with a bath containing oven dried sand and at known contact pressure.

Arm is removed and determination made of mass of sand adhering to the skin surface, compared with a similar adjacent area to which no product has been applied.

Reporting:

Ratio of sand adhering to test product vis control product.

Ratio of sand adhering to untreated product compared with test/ control product.

References

DESOP Manual - intenal method.