



Biometric Impedance Evaluation Results July 2021

A select group of Louthera Australia core products were evaluated analysing moisture and oil retention by biometric impedance conductivity.

Instrumentation: multi-frequency biometric impedance skin electromagnetic resistance testing unit. This test provides a relative measure of retained water and oil content of the skin as a measure of the skin's dielectric value using biometric impedance conductivity of multiple frequencies suitable to measuring moisture and oil content of skin.

Standards for Inclusion in this study: Ages of 30 – 65 years of all skin types, oily, dry, combination and with underlying skin conditions including, fine lines and wrinkles, redness and irritation, break-outs acne, pigmentation, eczema, dermatitis and gluten sensitivity. Male and Females were included in the evaluation. 80% Female, 20% Male participants.

Procedure: Before and after readings taken on same participant on the same site and in same temperature and humidity conditions before and after on the same day with the same device.

Product was applied to test area by the test subject according to directions for use and under supervision of the administrator prior to the measurement being taken.

The ethnicity of the participants was not requested and has not been disclosed.

The trial was conducted during mid-Winter 2021 the average outdoor environmental temperature was 15 degrees Celsius wind shear was not measured. Subjects were exposed to low humidity from indoor heating and low outdoor temperatures at the time of analysis.

The products measured were as below;

Deep Facial Cleanser:

Moisture – average 9% increase

Oil – Average 18% decrease

Micellar Water:

Moisture – average 24% increase

Oil – Average 20% decrease

A Serum:

Moisture – average 13% increase

Oil – Average 10% decrease

C Serum:

Moisture – average 7% increase

Oil – N/A for this product

Restorative Moisturiser

Moisture – average 16% increase

Oil – N/A for this product

HA Serum:

Moisture – average 19% increase

Oil – N/A for this product

Eye Cream:

Moisture – average 16% increase

Oil – N/A for this product

Night Renew Cream:

Moisture – average 11% increase

Oil – average 11% decrease

Spa Facial Scrub:

Moisture – average 5% increase

Oil – average 25% decrease

Spa Facial Mask:

Moisture – average 9% increase

Oil – average 6% decrease

Hand Sanitiser:

Moisture – average 20% increase

Oil – average 30% increase

Remedy Balm:

Moisture – average 30% increase

Oil – average 10%increase