



STEPS



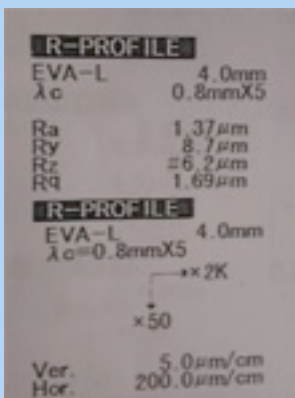
1. SILICONE IMPRESSION GATHERING



2. MATCHED IMPRESSIONS



3. PROFILOMETRY MEASUREMENT



4. RECORDING AND REPORTING

Profilometry (Wrinkles)

Measurement of Skin Profile - Roughness and Wrinkles

Supportable Claims

- Wrinkle Reduction
- Skin Smoothness
- Cellulite

Skin Mapping

The area to be scanned from each sample is clearly mapped so as to determine the exact same area for relevant future time points

Silicone Impressions

At each visit, a single silicone replica is made of an area on one side of the target area and a record is kept of this target. The samples are stored in controlled conditions for comparative measurement. An additional benefit is that the impressions can be stored for long periods as a semi-permanent record if required.

Profiling

Comparative analysis of skin profilometry is conducted, using surface roughness analysis. Typically, Ra (skin roughness) and Ry are recorded at each time of measuring operation.

Test Target Sites

The common target is the crows foot area around the eye. Other sites include scarred areas and cellulite lines.

Reporting

Data for at least 10 test subjects is accumulated. Percentage improvement is expressed as Ry - (wrinkle depth) and/or Ra - (average roughness).

For Wrinkle Test

Test subjects with medium wrinkling in the eye area (crows foot).

For Skin Roughness

Can be as an adjunct to the wrinkle test. Adjoining non-wrinkled area is measured.

Alternative Methods

Recent developments in this measurement area include several alternative systems which are based on 3D imaging.

References

1. Stylus Method for Skin Surface Contour Measurements Gassmueller, J et al. Handbook of Non-invasive Methods and the Skin 1995
2. Profilometry of Skin - a useful tool for the substantiation of cosmetic efficacy. Cook Thomas, H, Journal of the Society of Cosmetic Chemists Vol 31 No7 1980.

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