



NATURAL FIBER'S TECH S.A.C.

RESEARCH & DEVELOPMENT CENTER

FIBER DEN

EQUIPMENT TO MEASURE THE UNIT OF FIBERS PER UNIT OF SURFACE

Data Sheet



Brand : NFT™

Model : V2.1

Patent : Peru.

1. DESCRIPTION

FIBER DEN is a modified portable mini digital microscope that allows capturing images on shaved skin of various animal species (South American camelids, sheep, cattle, goats, among others) that are processed semi-automatically on a laptop. It has the ability to perform evaluations of fiber density, duct density, N° of fibers/N° of ducts ratio and also the type of bundles based on the amount of fibers it contains.

It also allows the evaluation of fabric structures (made from synthetic and/or natural fibers), tapestries, papers, among others thought

It captures images of different areas, according to the type of skin of the animal to be evaluated, whose area varies from 0.1 to 9 mm².

2. FUNCIONALITY

Determine the following characteristics:

- Fiber density per mm².
- Duct density per mm².
- Ratio N° of fibers/N° of hair ducts.
- Standard deviation of fiber density.
- Standard deviation of the pore density.
- Fiber density variation coefficient.
- Pore Density Variation Coefficient
- The graph of the bar diagram and frequency table of fiber bundles.
- Import / export of images and data.

Includes cell phone with proprietary application for image capture.

The software allows to count hairs and/or fibers, with the use of a mouse.



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3. FEATURES

Light and portable.

Weight: 200 g.

Dimensions: 11 cm x 5 cm x 5 cm.

Power supply: 3.5VDC, supplied by the computer or cell phone.

4. ACCESORIES

- Two (02) blades to shave fibers and/or hairs.
- Four (04) absorbent pads.
- One (01) water dispenser.
- Twenty (20) disposable gloves.
- One (01) User Manual.
- One (01) transport briefcase.

5. MAINTENANCE SERVICES

- On-site and remote support
- Software update.

6. MORE INFORMATION

For more information about our products and services, please visit our website:

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