CIKADERM is a new product with an eutrophic action which repairs and regenerates damaged cutis. It has strong regenerating properties on the cellular matrix and improves tissue condition for the natural and physiological recovery process when there are cutaneous alterations or irritations. It can be successfully used whenever it is necessary to re-form the epithelium of the epidermic barrier: rough, irritated, chapped, scaling, burned and grazed skin. CIKADERM also improves elasticity in areas affected by stretch marks.

CIKADERM can be easily added to other cosmetic products for the body or face, for example: creams, gels, water solutions etc.

**PROPERTIES**

- Cicatrizant action
  - Quick formation of a thick and resistant desquamate thanks to the fall of seric proteins caused by proanthocyandins.
  - Fibroblast recall and production of scar tissue generated by taspine.
  - Preservation and protection of previous cell structure.
  - Total and physiological regenerating and cicatrizant effect.

**DESCRIPTION**

CIKADERM is a new product with an eutrophic action which repairs and regenerates damaged cutis. It has strong regenerating properties on the cellular matrix and repairing effects on the tissues. It is especially effective in restoring the cutaneous barrier and in normalising the epidermic function. It helps to recreate the ideal tissue condition for the natural and physiological recovery process when there are cutaneous alterations or irritations. It can be successfully used whenever it is necessary to re-form the epithelium of the epidermic barrier: rough, irritated, chapped, scaling, burned and grazed skin. CIKADERM also improves elasticity in areas affected by stretch marks.

CIKADERM is proven to significantly change the clinical parameters gauged on the volunteers who underwent the test. According to results obtained, it can be stated that CIKADERM contributes to the optimal maintenance of the functional parameters, enhancing normalisation of scars and stretch marks from an aesthetic point of view.

**Technical data**

<table>
<thead>
<tr>
<th>ASPECT:</th>
<th>PEARLY PASTE</th>
<th>COLOUR:</th>
<th>GREY BROWN</th>
<th>ODOR:</th>
<th>CHARACTERISTIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH VALUE:</td>
<td>4 – 6</td>
<td>DENSITY:</td>
<td>1.1 – 1.2 g/ml</td>
<td>TOTAL MICROBIC COUNT</td>
<td>&lt; to 1000 cfu/g</td>
</tr>
</tbody>
</table>

**CLINICAL WORKS TITLES**

- Isolation of a polyhydroxyflavanol lignin from South American dragon's blood (Croton SPP.) As an inhibitor of cell proliferation. Journal of Natural Products Vol.56, No.5, pp. 899-906, June 1993

**INCI NAMES**

- Croton Lechleri
- Aluminium Sucrose Octasulfate
- Glycerin
- Aqua

**CTFA NAMES**

- Croton Lechleri Resin Extract
- Aluminium Sucrose Octasulfate
- Glycerin
- Water

**N° CAS**

- 54182-58-0
- 56-81-5
- 7732-18-5

**Results**

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This product increases the skin’s water and lipid stocks. CIKADERM, when applied to the skin, forms a protective barrier—a layer which acts like a second skin. It has a soothing effect, maintaining a soft and moistened state of the cutaneous tissue. This state increases cutaneous elasticity, avoids worsening of tissue damage and favors a quicker recovery.

Modern research reveals that the proanthocyanidins form a sort of grid which traps seric proteins, thus causing them to fall. This creates the healing effect.

The cicatrizing effect is caused by a synergic action between substances, rather than by a single class of substances. Taspine is an alkaloid contained within the product which promotes fibroblasts production (these are the cells responsible for the production of scar tissue). At the same time, lignan stimulates the production of interstitial substance. This synergy maintains an elastic and tonic skin, even where there is a problem area.

The extent of stretch mark appearance before (initial control) and after (treated area) application of emulsion containing CIKADERM.

Cosmetic evaluation of the appearance of scars and stretch marks through the use of a cosmetic product containing CIKADERM; carried out with a clinical test and polarised light video camera.

The following parameters have been evaluated using a product containing 3% CIKADERM:

1. Texture: evaluated by pinching the scar;
2. Skin complexion on the scar area;
3. Itching: subjective sensation when pinched.

To be able to carry out statistical research and evaluate cutaneous variations over a period of time, numerical values have been assigned to various parameters following the criteria listed below. The results have been statistically analyzed with the Student T method for the independent data, and with the X2 (CHI square).

10 subjects were selected: male and female, between 18-70 years of age, with scars or stretch marks.

**Clinical Case**

<table>
<thead>
<tr>
<th>CONSISTENZA</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rezente</td>
<td>5</td>
</tr>
<tr>
<td>Compatta</td>
<td>3</td>
</tr>
<tr>
<td>Morbida</td>
<td>1</td>
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</table>

**1. Scar and Stretch Marks Texture**

<table>
<thead>
<tr>
<th>COLORE DELL’INCARNAZIONE</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intensamente iperemica</td>
<td>5</td>
</tr>
<tr>
<td>Moderatamente arrossata</td>
<td>3</td>
</tr>
<tr>
<td>Simile alla cute circostante</td>
<td>1</td>
</tr>
</tbody>
</table>

**2. Improvement in the Appearance of Skin with Scars and Stretch Marks**