APPLICATION OF A COSMETIC LIP PRODUCT IMPROVES THE SIGNS OF CHEILOSIS

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ABSTRACT
Few studies have been reported which systematically evaluate the effects of cosmetic products on the dry lips. Twenty-eight female lipstick users between the ages of 19-57 years enrolled in a four week study designed to evaluate the effects of a well-formulated lipstick product on the condition of the lips. Clinical photos were taken at baseline and following two weeks and four weeks product use. Readings were performed using the Nova Dermal Phase Meter. Significant improvements from baseline were demonstrated for the test product during the four-week treatment period for the attributes graded in Table 1. Average improvements for all parameters are as presented in Table 1.

INTRODUCTION
Cheilosis or dryness of the lips may be intrinsic or extrinsic in cause, aggravated by environmental factors such as wind, low temperature and humidity. Actinic cheilitis is more prominent on the lower lip and considered both solar and contact dermatitis. Radiation is a common causative factor. Subjects were placed on a treatment scale for seven days, every day. Scaling, fissuring, and globally at the lips and following four weeks treatment were performed by expert dermatologists. Clinical photographs, statistically significant improvement in lips, were scaling, fissuring, and globally at the lips and following four weeks treatment were performed by expert dermatologists. Clinical photographs, statistically significant improvement in lips, were scaling, fissuring, and globally at the lips and following four weeks product use. Clinical photographs were taken using the Nova Dermal Phase Meter. Significant improvements from baseline were demonstrated for the test product during the four-week treatment period for the attributes graded in Table 1. Average improvements for all parameters are as presented in Table 1.

OBJECTIVE
The objective of this study was to evaluate the effects of a well-formulated cosmetic lipstick product on the condition of the lips. Clinical photographs were taken at baseline and following two weeks and four weeks product use. Readings were performed using the Nova Dermal Phase Meter. Significant improvements from baseline were demonstrated for the test product during the four-week treatment period for the attributes graded in Table 1. Average improvements for all parameters are as presented in Table 1.

TREATMENTS
Lip Color (measures lipstick)
- Treatment lipstick was moisturized and sealed. Subjects applied the product as a minimum of twice daily. Application specified was as per normal use.

METHOD
Twenty-eight female lipstick users between the ages of 19 and 57 were enrolled in a four week study designed to evaluate the effects of a well-formulated lipstick product on the condition of the lips. Clinical photographs were taken using the Nova Dermal Phase Meter. Significant improvements from baseline were demonstrated for the test product during the four-week treatment period for the attributes graded in Table 1. Average improvements for all parameters are as presented in Table 1.

RESULTS
Significant improvements from baseline were demonstrated for the test product during the four-week treatment period for the attributes graded in Table 1. Average improvements for all parameters are as presented in Table 1.

DISCUSSION
The testing product was an intensive lipstick vehicle containing pharmaceuticals, bases, antioxidants, and pigments. The lips were placed on a treatment scale for seven days, every day. Scaling, fissuring, and globally at the lips and following four weeks treatment were performed by expert dermatologists. Clinical photographs, statistically significant improvement in lips, were scaling, fissuring, and globally at the lips and following four weeks product use. Clinical photographs were taken using the Nova Dermal Phase Meter. Significant improvements from baseline were demonstrated for the test product during the four-week treatment period for the attributes graded in Table 1. Average improvements for all parameters are as presented in Table 1.

CONCLUSION
Cheilosis or dryness of the lips may be intrinsic or extrinsic in cause, aggravated by environmental factors such as wind, low temperature and humidity. Actinic cheilitis is more prominent on the lower lip and considered both solar and contact dermatitis. Radiation is a common causative factor. Subjects were placed on a treatment scale for seven days, every day. Scaling, fissuring, and globally at the lips and following four weeks treatment were performed by expert dermatologists. Clinical photographs, statistically significant improvement in lips, were scaling, fissuring, and globally at the lips and following four weeks product use. Clinical photographs were taken using the Nova Dermal Phase Meter. Significant improvements from baseline were demonstrated for the test product during the four-week treatment period for the attributes graded in Table 1. Average improvements for all parameters are as presented in Table 1.

REFERENCES
4. Canfield Clinical Systems; a division of Canfield Scientific, Inc. The latter ingredient has been reported to improve lip condition. Neutrogena Research & Development Laboratories.

Table 1: Dermatologist Assessment of Lip Cheilosis Parameters

<table>
<thead>
<tr>
<th>Lip Cheilosis Parameter</th>
<th>Baseline Score</th>
<th>Week 4 Score</th>
<th>Improvement (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Lines Absent</td>
<td>3.50</td>
<td>2.71</td>
<td>38</td>
</tr>
<tr>
<td>Fine Lines Present</td>
<td>3.43</td>
<td>2.54</td>
<td>27</td>
</tr>
<tr>
<td>Coarse Lines Almost Absent</td>
<td>3.21</td>
<td>2.36</td>
<td>28</td>
</tr>
<tr>
<td>Coarse Lines Absent</td>
<td>2.89</td>
<td>2.11</td>
<td>27</td>
</tr>
</tbody>
</table>

Note: Improvement is calculated as (Baseline Score - Week 4 Score) / Baseline Score * 100.

Table 2: Lip Moisture Improvement

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Baseline Score</th>
<th>Week 4 Score</th>
<th>Improvement (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine Lines</td>
<td>3.50</td>
<td>2.71</td>
<td>38</td>
</tr>
<tr>
<td>Coarse Lines</td>
<td>3.43</td>
<td>2.54</td>
<td>27</td>
</tr>
<tr>
<td>Global</td>
<td>3.21</td>
<td>2.36</td>
<td>28</td>
</tr>
</tbody>
</table>

Note: Improvement is calculated as (Baseline Score - Week 4 Score) / Baseline Score * 100.