Product Data Sheet

LAMEQUAT® L

Labeling information
INCI name(s)
Lauryldimonium Hydroxypropyl Hydrolyzed Collagen (EU)
Lauryldimonium Hydroxypropyl Hydrolyzed Collagen (CTFA)

Product properties
Appearance
LAMEQUAT® L is a clear, yellow, slightly viscous liquid with mild inherent odour.

Example of use
LAMEQUAT® L is a quaternized protein hydrolysate, combining the care effects of the cationic substances with the positive dermatological effects of the protein derivatives. LAMEQUAT® L is suitable for the application in shampoos and mild shower gels and foam baths and compatible with anionic surfactants.

Preservation note: Protein hydrolyzates/derivatives in general may cause incompatibilities with Kathon CG (INCI: Methylchloroisothiazolinone (and) Methylisothiazolinone) depending on concentration and pH.

Characteristic values
The specifications stated in the paragraphs 'Quality control data' and 'Additional product descriptive data' finally and conclusively describe the properties of the Product.

Quality control data
(Data which is used for quality release and is certified for each batch.)

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>conforms to standard</td>
</tr>
<tr>
<td>Odour</td>
<td>conforms to standard</td>
</tr>
<tr>
<td>Dry substance</td>
<td>34.0 - 36.0 % DGF H-III 3</td>
</tr>
<tr>
<td>Total nitrogen</td>
<td>2.2 - 2.9 % Q-C 2074.0 (Dumas)</td>
</tr>
<tr>
<td>Colour (Gardner)</td>
<td>max. 8 DGF C-IV 4c mod.</td>
</tr>
<tr>
<td>pH value</td>
<td>5.0 - 6.5 DGF H-III 1 mod.</td>
</tr>
</tbody>
</table>

(1 p.subst. + 3 p.water)

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