KAPPACOM EIS
Biodegradable Sequestering agent for iron

CHEMICAL-PHYSICAL DATA
Chemical composition: sodium salt of a carboxylic acid in aqueous solution
Appearance: clear yellowish liquid
pH-value 20 °C (product): 7.0 – 7.6
Density 20 °C (g/ml): approx. 1.16
Ionic charge: anionic

FUNCTION
KAPPACOM EIS is an economical sequestering agent with especially high binding ability against iron and copper ions in the strongly alkaline and weakly acid range.

The following table shows the metal amounts in mg, which are bound by 1 g of the respective chelating agent.

<table>
<thead>
<tr>
<th></th>
<th>pH 6</th>
<th>pH 11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fe²⁺</td>
<td>200</td>
<td>-</td>
</tr>
<tr>
<td>Fe³⁺</td>
<td>135</td>
<td>590</td>
</tr>
<tr>
<td>Cu²⁺</td>
<td>135</td>
<td>200</td>
</tr>
<tr>
<td>Na₄-EDTA 40 %</td>
<td>35</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>55</td>
<td>60</td>
</tr>
</tbody>
</table>

APPLICATION
KAPPACOM EIS can be used during the scouring, bleaching and/or dyeing processes to inactivate heavy metal traces.

For sequestering water hardness

0.25 ml/l KAPPACOM EIS per °dH and litre of water are required.

DILUTION INSTRUCTION
KAPPACOM EIS can be diluted with cold water at any ratio, but can also be added directly to the respective liquor.

STORAGE
KAPPACOM EIS remains stable for at least 6 months if stored at room temperature in a tightly closed container. At temperatures below 6 °C, KAPPACOM EIS crystallizes partially, but dissolves again at room temperature without reduction of the effect.