Nysofact® 120

Fats and oils hydrogenation catalyst

BASF Nysofact 120 is a highly effective catalyst for the hydrogenation of fatty acids to very low iodine values. Nysofact 120 shows optimal suppression of nickel soaps, is very poison resistant and has excellent filtration characteristics. Nysofact 120 is sold reduced and protected in hardened palm oil droplets.

Suggested Applications

BASF Nysofact 120 is recommended for the full hydrogenation of fatty acids of animal, marine or vegetable origin. It is a robust catalyst that is especially suited for fatty acid hydrogenations carried out at conditions that cause deactivation by the formation of nickel soaps such as high temperatures (>200°C) and low pressure.

Nysofact 120 is used as aid in the processing or transformation of raw materials, foodstuffs or their ingredients. However, this product is not suitable for animal or human consumption and body contact and must therefore be removed after use.

Packaging

Standard packing size is 150 kg (331 lbs) net in 210-liter steel drums shipped from De Meern, The Netherlands.

Target Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Metal</td>
<td>Ni</td>
</tr>
<tr>
<td>Metal Content</td>
<td>22.0 %</td>
</tr>
<tr>
<td>Support</td>
<td>Silica/Alumina</td>
</tr>
<tr>
<td>Catalyst Shape</td>
<td>Droplet</td>
</tr>
<tr>
<td>Coating</td>
<td>Fully hardened palm oil</td>
</tr>
<tr>
<td>Activity</td>
<td>Superior T&lt;200°C</td>
</tr>
<tr>
<td></td>
<td>Good T&gt;200°C</td>
</tr>
<tr>
<td>Poison resistance</td>
<td>Superior</td>
</tr>
<tr>
<td>Filtration</td>
<td>Good</td>
</tr>
<tr>
<td>Versatility</td>
<td>Acceptable</td>
</tr>
</tbody>
</table>
About Us

BASF’s Catalysts division is the world’s leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF’s Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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