### GRM4107 Calcium orthophosphate

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRM4107</td>
<td>500G</td>
</tr>
</tbody>
</table>

#### Product Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>GRM4107</td>
</tr>
<tr>
<td>Product Name</td>
<td>Calcium orthophosphate</td>
</tr>
<tr>
<td>Synonym</td>
<td>Calcium phosphate hydroxide; Hydroxyapatite; Hydroxylapatite</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>HCa$<em>5$O$</em>{13}$P$_3$</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>502.32</td>
</tr>
<tr>
<td>CAS No.</td>
<td>1306-06-5</td>
</tr>
<tr>
<td>EC No.</td>
<td>215-145-7</td>
</tr>
<tr>
<td>HS Code</td>
<td>2835 26 00</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>4 years</td>
</tr>
</tbody>
</table>

#### Technical Specification

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White powder</td>
</tr>
<tr>
<td>Solubility</td>
<td>33.3 mg soluble in 1 mL of 1M hydrochloric acid</td>
</tr>
<tr>
<td>Loss on ignition (at 800°C)</td>
<td>$\leq 8.0%$</td>
</tr>
<tr>
<td>Assay (Ca, EDTA Titration)</td>
<td>35.0 - 40.0%</td>
</tr>
</tbody>
</table>

#### Risk and Safety Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-Phrase(s)</td>
<td>24/25</td>
</tr>
<tr>
<td>WGK</td>
<td>1</td>
</tr>
<tr>
<td>Storage Temperature(°C)</td>
<td>Store below 30°C</td>
</tr>
</tbody>
</table>

#### Transport Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine Pollutant</td>
<td>No</td>
</tr>
<tr>
<td>ADR/RID</td>
<td>Not Dangerous Goods</td>
</tr>
<tr>
<td>IMDG</td>
<td>Not Dangerous Goods</td>
</tr>
<tr>
<td>IATA</td>
<td>Not Dangerous Goods</td>
</tr>
</tbody>
</table>