### GRM285 Amaranth, Hi-Cert™

<table>
<thead>
<tr>
<th>Product Information</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRM285</td>
<td>100G</td>
</tr>
<tr>
<td>GRM285</td>
<td>25G</td>
</tr>
</tbody>
</table>

#### Product Information
- **Product Code**: GRM285
- **Product Name**: Amaranth, Hi-Cert™
- **Synonym**: Azorubin S; Acid Red 27
- **Molecular Formula**: \( \text{C}_{20}\text{H}_{11}\text{N}_{2}\text{Na}_{3}\text{O}_{10}\text{S}_{3} \)
- **Molecular Weight**: 604.47
- **CAS No.**: 915-67-3
- **EC No.**: 213-022-2
- **HS Code**: 32129000
- **Colour Index No.**: 16185
- **Shelf Life**: 4 years

#### Technical Specification
- **Appearance**: Reddish brown to dark brown crystals or powder
- **Solubility**: 20 ppm in water yields clear red to red-brown solution
- **FTIR (KBr disc)**: Matches with the standard pattern
- **Loss on drying (at 105°C, 2 hr)**: <= 9.4%
- **Nitrogen (N, on dry basis)**: 3.90 - 4.60%
- **Dye content (on dry basis)**: ~90%

#### GHS Safety Information
- **Hazard Statement(s)**: H315-H319-H335
- **Precautionary Statement(s)**: P261-P305+P351+P338
- **Signal Word**: Warning
- **Hazard Pictogram(s)**: [Image]

#### Risk and Safety Information
- **R-Phrase(s)**: 36/37/38
- **S-Phrase(s)**: 36/37/39
- **WGK**: 3
- **RTECS**: QJ6550000
- **Storage Temperature(°C)**: Store below 30°C
- **Hazard Symbol(s)**: [Image]
### Transport Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Status</th>
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<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>
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