### Product Information

**Product Number**
- GRM135

**Packing**
- 25G

### Product Information

<table>
<thead>
<tr>
<th>Product Code</th>
<th>GRM135</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
<td>1,2-Dihydroxyanthraquinone, Hi-Cert™</td>
</tr>
<tr>
<td>Synonym</td>
<td>Alizarin, Hi-Cert™</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>C₁₄H₈O₄</td>
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<tr>
<td>Molecular Weight</td>
<td>240.21</td>
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<tr>
<td>CAS No.</td>
<td>72-48-0</td>
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<tr>
<td>EC No.</td>
<td>200-782-5</td>
</tr>
<tr>
<td>HS Code</td>
<td>2914 69 90</td>
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<tr>
<td>Colour Index No.</td>
<td>58000</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>4 years</td>
</tr>
</tbody>
</table>

### Technical Specification

- **Appearance**: Gold to orange to brown crystals or powder
- **Solubility**: 10 ppm in 5M sodium hydroxide yields clear to turbid, purple to very dark purple solution
- **Visual pH transition interval**: pH 5.5 (yellow) to 6.8 (red) and pH 10.1 (red) to 12.1 (violet)
- **FTIR (KBr disc)**: Matches with the standard pattern
- **Absorption maximum 1**: 605 - 610 nm (10 ppm in 5M NaOH)
- **Absorption maximum 2**: 565 - 570 nm (10 ppm in 5M NaOH)
- **Loss on drying (at 105°C, 2 hrs.)**: <= 10.0%

### GHS Safety Information

- **Hazard Statement(s)**: H302-H319
- **Precautionary Statement(s)**: P305+P351+P338
- **Signal Word**: Warning

### Risk and Safety Information

- **WGK**: 3
- **RTECS**: CB6580000
- **Storage Temperature(°C)**: Store below 30°C

### Transport Information

- **Marine Pollutant**: No
- **ADR/RID**: Not Dangerous Goods
- **IMDG**: Not Dangerous Goods
- **IATA**: Not Dangerous Goods