# GRM684 Magnesium sulphate heptahydrate, A.R.

## Product Information

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Packing</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRM684</td>
<td>500G</td>
</tr>
<tr>
<td>GRM684</td>
<td>5KG</td>
</tr>
</tbody>
</table>

### Technical Specification

- **Product Code**: GRM684
- **Product Name**: Magnesium sulphate heptahydrate, A.R.
- **Synonym**: Epsom salts
- **Molecular Formula**: MgSO$_4$.7H$_2$O
- **Molecular Weight**: 246.47
- **CAS No.**: 10034-99-8
- **EC No.**: 231-298-2
- **HS Code**: 2833 21 00
- **Shelf Life**: 4 years

### Appearance
- White crystals or powder

### Solubility
- 100 mg soluble in 1 mL of water

### pH (5 % in water at 25°C)
- 5.00 - 8.00

### Insoluble matter
- <= 0.005%

### Calcium (Ca)
- <= 0.01%

### Lead (Pb)
- <= 0.0005%

### Iron (Fe)
- <= 0.0002%

### Manganese (Mn)
- <= 0.0005%

### Phosphate (PO$_4$)
- <= 0.001%

### Sodium (Na)
- <= 0.005%

### Zinc (Zn)
- <= 0.001%

### Potassium (K)
- <= 0.005%

### Copper (Cu)
- <= 0.0005%

### Chloride (Cl)
- <= 0.0005%

### Assay (EDTA Titration)
- 99.5 - 103.0%

## Risk and Safety Information

- **WGK**: 1
- **RTECS**: OM4508000
- **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

The information contained herein is believed to be accurate and complete. However no warranty or guarantee whatsoever is made or is to be implied with respect to such Information or with respect to any product, method or apparatus referred to herein.