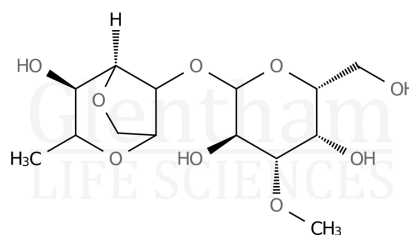


Product Specification

| | |
|---------------|-------------------------|
| Product Name | Agar, high gel strength |
| Glentham Code | GK9085 |
| CAS Number | 9002-18-0 |
| EINECS | 232-658-1 |
| MDL Number | MFCD00081288 |

| | |
|-------------------|-----------------------|
| Molecular Weight | - |
| Molecular Formula | $(C_{12}H_{18}O_9)_n$ |
| Storage Temp. | +20°C |



| Property | Specification |
|-----------------------------|---|
| Physical Description | Off-white to cream, yellowish or light-brown powder |
| pH (10% in water) | 6.0 - 8.0 |
| Ash | ≤ 5.0% |
| Water Insoluble Matter | ≤ 0.5% |
| Water | ≤ 12.0% |
| Acid Insoluble Substances | ≤ 0.5% |
| Starch | Not Detected |
| Gelatine and Other Proteins | Not Detected |
| Heavy Metals | ≤ 20ppm |
| Cadmium (Cd) | ≤ 1ppm |
| Lead (Pb) | ≤ 5ppm |
| Mercury (Hg) | ≤ 1ppm |
| Arsenic (As) | ≤ 3ppm |
| Viscosity | 20 - 40 cps |
| Melting Point | 80 - 90 °C |
| Gelling Temperature | 34 - 41 °C |
| Gel Strength | ≥ 1000g/cm ² (1.5% gel) |

| | |
|-----------------------|--------------|
| Specification Version | - v1.0 |
| Date Created | - 2015-12-14 |

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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