

## Product Specification

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Product Name	Agar, high gel strength, suitable for microbiology
Glentham Code	GC4369
CAS Number	9002-18-0
EINECS	232-658-1
MDL Number	MFCD00081288

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Molecular Weight	-
Molecular Formula	(C <sub>12</sub> H <sub>18</sub> O <sub>9</sub> ) <sub>n</sub>
Storage Temp.	+20°C

Property	Specification
Physical Description	Off-white to cream or light-brown powder
pH (10% in water)	6.2 - 7.2
Ash	≤ 4%
Acid Insoluble Matter	≤ 0.5%
Insoluble Matter	≤ 1.0%
Water	≤ 12.0%
Starch	Absent
Gelatine and Other Proteins	Absent
Lead (Pb)	≤ 0.5ppm
Mercury (Hg)	≤ 0.5ppm
Arsenic (As)	≤ 0.5ppm
Cadmium (Cd)	≤ 0.5ppm
Viscosity	8 - 15 cps (1.5%, 120°C, cooled to 60°C)
Gel Strength	≥ 900g/cm <sup>2</sup>
Gelling Temperature	35 - 36 °C

Specification Version	-	v1.0
Date Created	-	2020-03-17

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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