

### CERTIFICATE OF ANALYSIS

PRODUCT NAME. Agar  
 CAS NO. 9002-18-0  
 BATCH NO. 19/MFM/2319  
 MANUFACTURING DATE: March 2019  
 EXPIRY DATE: March 2023

TESTS	SPECS	RESULTS
Appearance	Powder	Conforms
Colour	Cream-white	Conforms
Sieve analysis (ASTM / Retained on Mesh 80)	Max 5%	< 5%
Gel Strength (after autoclave)	>900 - <1050 g/cm2	955
Loss on drying	< 10%	9.40%
pH (1.5% solution) Gel after autoclave	6 – 7.5	6.05
Ash content	<5%	3.00%
Nephelos after autoclaving	< 10 NTU	4.18
Color		
Absorbance 430nm. (in 1.5 sol) After Autoclaving	<0.085	0.054
Melting Point °C	> 85	90.0
Gelling Point °C	34 - 36°C	35
Calcium ppm	<2000	1554
Magnesium ppm	<1000	683
Toxic substances	Absence	Conforms

\* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:   
 For and on behalf of  
**FORMEDIUM Ltd, Unit 1B**  
**Hunstanton Commercial Park**  
**PE36 5JQ England**  
  
 (Authorised Signature)

Date: 18 APR 20 19