

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME.** Agar  
**CAS NO.** 9002-18-0  
**BATCH NO.** 17/MFM/2002  
**MANUFACTURING DATE:** August 2016  
**EXPIRY DATE:** August 2020

TESTS	SPECS	RESULTS
Appearance	Free Flowing Powder	Conforms
Colour	Light cream	Conforms
Mesh size (ASTM)	<5 on Mesh 80	<5
Moisture	< 7.5%	7.5%
Gel Strength (after autoclave)	800 – 900 g / cm2	900
Ph (after autoclave)	6.2 – 7.2	7.1
Total ash contents	< 5.0%	4.6%
Gelling Point °C	34.0 – 37.0	36.0
Melting Point (1.5% solution) °C	85.0	88.9
Turbidity after autoclave NTU	<= 7.5	4.5
Colorimetry (Absorbance in 1.5 sol)		
After Autoclaving 430 nm	<= 0.090	0.070
525 nm	<= 0.050	0.019
655 nm	<= 0.025	0.007
Calcium ppm	<2500	1641
Magnesium ppm	<1000	521
Total colony count Cfu/g	<= 1000	< 1000
Toxic substances	Absent	Absent

\* 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  
 Hunstanton, Norfolk, PE36 5JQ, England  
 Date: 21 Nov 2017  
 (Autho...