

CERTIFICATE OF ANALYSIS

PRODUCT NAME.	Agar
CAS NO.	9002-18-0
BATCH NO.	17/MFM/2003
MANUFACTURING DATE:	October 2017
EXPIRY DATE:	October 2022

TESTS	SPECS	RESULTS
Appearance	Free Flowing Powder	Conforms
Colour	Light cream	Conforms
Mesh size (ASTM)	<5 on Mesh 80	<5
Moisture	< 7.5%	7.2%
Gel Strength (after autoclave)	800 – 900 g / cm ²	870
Ph (after autoclave)	6.2 – 7.2	6.0
Total ash contents	< 5.0%	2.9%
Gelling Point °C	34.0 – 37.0	37.0
Melting Point (1.5% solution) °C	85.0	88.9
Turbidity after autoclave NTU	<= 7.5	6.0
Colorimetry (Absorbance in 1.5 sol)		
After Autoclaving 430 nm	<= 0.090	0.074
525 nm	<= 0.050	0.030
655 nm	<= 0.025	0.013
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
 PE36 5JQ England
 (Authorised Signature)

Date: 21 NOV 2017