

CERTIFICATE OF ANALYSIS

PRODUCT NAME. Agar
 CAS NO. 9002-18-0
 BATCH NO. 18/MFM/2193
 MANUFACTURING DATE: July 2018
 EXPIRY DATE: July 2022

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	1030
Loss on drying	< 10%	8.25%
pH (1.5% solution) Gel after autoclave	6 – 7.5	6.04
Ash content	<5%	3.21%
Nephelos after autoclaving	< 10 NTU	3.56
Color		
Absorbance 430nm. (in 1.5 sol) After Autoclaving	<0.085	0.063
Melting Point °C	> 85	91.5
Gelling Point °C	34 - 36°C	35
Calcium ppm	<2000	1750
Magnesium ppm	<1000	634
Toxic substances	Absence	Conforms

* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:

[Signature]
 For and on behalf of Date: 18 SEP 2018
 FORMEDIUM Ltd, Unit 1B
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[Signature]
 (Authorised Signature)