

CERTIFICATE OF ANALYSIS

PRODUCT NAME. Agar
 CAS NO. 9002-18-0
 BATCH NO. 17/MFM/2014
 MANUFACTURING DATE: October 2017
 EXPIRY DATE: October 2021


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 - <1050g / cm2	985
Loss on drying	< 10%	8.05%
pH (after autoclave)	6 – 7.5	2.94
Ash contents	<5%	6.11%
Particle Size	100% to pass 60 mesh (ASTM)	Conforms
Nephelos after autoclaving	< 10 NTU	4.16
Absorbance 430nm. (in 1.5 sol) After Autoclaving	>0.085	0.061
Melting Point °C	> 85	91.5
Gelling Point °C	34 - 36°C	35
Calcium ppm	<2000	1772
Magnesium ppm	<1000	885
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
 (Authorised Signature)



Date: 26 OCT 2017