

Certificate of Analysis

Catalogue No: MB027

Product name: Agarose (electrophoresis grade)

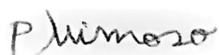
Batch No: NM111

Expiry Date: 08/2024

	Specification	Result
Clarity 1,5% (NTU)	< 3	2,90
Gel strength 1% (g/cm ²)	> 1200	1375
Gel strength 1,5% (g/cm ²)	> 2500	2930
Gelling temperature 1,5% (°C)	36 ± 1,5	36,8
Melting temperature 1,5% (°C)	88 ± 1,5	89,3
Sulphate	< 0,1	0,097%
DNase/RNase activity	None detected	None detected
EEO	0,05-0,13	0,12
DNA resolution = 1000 bp	Finely resolved	
Moisture	< 10%	4,56%
Gel background	Very low	
Particle size (A.S.T.M) over sieve 60		0,95%
Particle size (A.S.T.M) over sieve 100		23,75%
Particle size (A.S.T.M) over sieve 140		36,10%
Particle size (A.S.T.M) over sieve 200		26,10%
Particle size (A.S.T.M) under sieve 200		15%
pH (1,5% solution)	6 – 8	6,88
pH in gel (1,5%)	6 - 8	7,05
Colorimetry (Absorbance) 450nm (1,5%)		0,033

This batch meets our specification.

Date: 25/11/2020



Paula Mimoso
Product Manager



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