

Certificate of Analysis

Catalogue No: MB027

Product name: Agarose (electrophoresis grade)

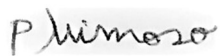
Batch No: NM121

Expiry Date: 12/2024

	Specification	Result
Ash	≤ 0,4%	0,28%
Clarity 1,5% (NTU)	≤ 3	2,90
Gel strength 1% (g/cm ²)	≥ 1200	1285
Gel strength 1,5% (g/cm ²)	≥ 2500	3080
Gelling temperature 1,5% (°C)	36 ± 1,5	36,2
Melting temperature 1,5% (°C)	88 ± 1,5	88,6
Sulphate	≤ 0,10%	0,097%
DNase/RNase activity	None detected	None detected
EEO	0,05-0,13	0,12
DNA resolution	Finely resolved	Finely resolved
Moisture	≤ 10%	6,04%
Gel background	Very low	Very low
Comparative assay of different size DNA fragments	-	Passes test
Background fluorescence assay in ethidium bromide	-	Passes test
Color	White	White
Appearance	Fine, homogeneous powder	Fine, homogeneous powder
Particle size (A.S.T.M) over sieve 60	-	0,20%
Particle size (A.S.T.M) over sieve 100	-	20,00%
Particle size (A.S.T.M) over sieve 140	-	38,15%
Particle size (A.S.T.M) over sieve 200	-	20,30%
Particle size (A.S.T.M) under sieve 200	-	31,95%
pH (1,5% solution)	6 – 8	6,52
pH in gel (1,5%)	6 - 8	7,27
Colorimetry (Absorbance 450nm) (1,5%)	-	0,021

This batch meets our specification.

Date: 22/02/2021



Paula Mimoso
Product Manager



Patrícia Ponte
Senior Manager, Quality Systems