

Certificate of Analysis

Catalogue No: MB027

Product name: Agarose (electrophoresis grade)

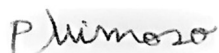
Batch No: YO051

Expiry Date: 12/2026

	Specification	Result
Ash (%)	≤ 0.4	0.37
Clarity 1.5% (NTU)	≤ 3	2.94
Gel strength 1% (g/cm ²)	≥ 1200	1380
Gel strength 1.5% (g/cm ²)	≥ 2500	2925
Gelling temperature 1.5% (°C)	36 ± 1.5	36.0
Melting temperature 1.5% (°C)	88 ± 1.5	88.5
Sulphate (%)	≤ 0.1	0.094
DNase/RNase activity	None detected	Complies
EEO	0.05-0.13	0.12
DNA resolution	Finely resolved	Complies
Moisture (%)	≤ 10	5.90
Gel background	Very low	Complies
Colour	White	Complies
Appearance	Fine, homogeneous powder	Complies
Particle size (A.S.T.M) over sieve 60	-	0.25%
Particle size (A.S.T.M) over sieve 100	-	17.70%
Particle size (A.S.T.M) over sieve 140	-	47.05%
Particle size (A.S.T.M) over sieve 200	-	24.35%
Particle size (A.S.T.M) under sieve 200	-	11.60%
pH in solution (1.5%)	-	7.01
pH in gel (1.5%)	-	7.08
Colorimetry 450 nm (1.5%)	-	0.025
Comparative assay of different size DNA fragments		Complies
Background fluorescence assay in ethidium bromide		Complies

This batch meets our specification.

Date: 11/05/2022



Paula Mimoso
Product Manager



Patrícia Ponte
Senior Manager. Quality Systems