

Certificate of Analysis

Catalogue No: MB027

Product name: Agarose (electrophoresis grade)

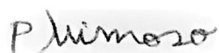
Batch No: YO041

Expiry Date: 12/2026

	Specification	Result
Ash (%)	≤ 0,4	0,33
Clarity 1,5% (NTU)	≤ 3	2,91
Gel strength 1% (g/cm ²)	≥ 1200	1385
Gel strength 1,5% (g/cm ²)	≥ 2500	2905
Gelling temperature 1,5% (°C)	36 ± 1,5	36,1
Melting temperature 1,5% (°C)	88 ± 1,5	88,8
Sulphate (%)	≤ 0,1	0,096
DNase/RNase activity	None detected	None detected
EEO	0,05-0,13	0,12
DNA resolution	Finely resolved	Finely resolved
Moisture (%)	≤ 10	5,14
Gel background	Very low	Very low
Colour	White	White
Appearance	Fine, homogeneous powder	Fine, homogeneous powder
Particle size (A.S.T.M) over sieve 60	-	0,90%
Particle size (A.S.T.M) over sieve 100	-	24,20%
Particle size (A.S.T.M) over sieve 140	-	37,60%
Particle size (A.S.T.M) over sieve 200	-	21,30%
Particle size (A.S.T.M) under sieve 200	-	16,95%
pH in solution (1,5%)	-	6,77
pH in gel (1,5%)	-	7,07
Colorimetry 450 nm (1,5%)	-	0,033
Comparative assay of different size DNA fragments		Passes test
Background fluorescence assay in ethidium bromide		Passes test

This batch meets our specification.

Date: 14/04/2022



Paula Mimoso
Product Manager



Patrícia Ponte
Senior Manager, Quality Systems