

Certificate of Analysis

Catalogue No: MB027

Product name: Agarose (electrophoresis grade)

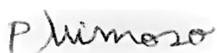
Batch No: ZN081

Expiry Date: 06/2026

	Specification	Result
Ash (%)	≤ 0,4	0,37
Clarity 1,5% (NTU) (%)	≤ 3	2,51
Gel strength 1% (g/cm ²)	≥ 1200	1210
Gel strength 1,5% (g/cm ²)	≥ 2500	2840
Gelling temperature 1,5% (°C)	36 ± 1,5	36,4
Melting temperature 1,5% (°C)	88 ± 1,5	88,8
Sulphate (%)	≤ 0,1	0,099
DNase/RNase activity	None detected	None detected
EEO	0,05-0,13	0,12
DNA resolution	Finely resolved	Finely resolved
Moisture (%)	≤ 10	4,49
Gel background	Very low	Very low
Color	White	White
Appearance	Fine, homogeneous powder	Fine, homogeneous powder
Particle size (A.S.T.M) over sieve 60	-	0,95%
Particle size (A.S.T.M) over sieve 100	-	20,10%
Particle size (A.S.T.M) over sieve 140	-	28,65%
Particle size (A.S.T.M) over sieve 200	-	29,30%
Particle size (A.S.T.M) under sieve 200	-	22,45%
pH in solution (1,5%)	-	6,59
pH in gel (1,5%)	-	7,06
Colorimetry 450 nm (1,5%)	-	0,022
Comparative assay of different size DNA fragments		Passes test
Background fluorescence assay in ethidium bromide		Passes test

This batch meets our specification.

Date: 07/10/2021



Paula Mimoso
Product Manager



Patrícia Ponte
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