

## Agarose Electrophoresis Grade

#Cat: NB-42-00145

### -CERTIFICATE OF ANALYSIS-

Product Name: Agarose Electrophoresis GradeProduct

Code: NB-42-00145

CAS Number: 9012-36-6

Batch Number: AS507778

Retest Date: 31.07.27

Test	Result
Appearance	Fine, homogeneous powder
Colour	White
Particle Size (A.S.T.M.):	
over sieve 60	0.15%
over sieve 100	24.45%
over sieve 140	38.90%
over sieve 200	17.95%
under sieve 200	18.90%
Moisture	8.26%
Ash	0.45%
Sulphate	0.15%

Test	Concentration	Result
Clarity (NTU)	1%	3.95
pH in solution		7.19
pH in gel		7.39
Colorimetry (Absorbance) nmu 450		0.039
Gel strength	1040 g/cm <sup>2</sup>	2515 g/cm <sup>2</sup>
Gelling temperature		36
Melting temperature		88.9

Functional Test Results:	Result
Comparative assay of different size DNA fragments	Passes Test
Background fluorescence assay in Ethidium Bromide	Passes Test
DNase and Rnase	None Detected

Verified by: Saad Khokhar

Signed: --Digital document, valid without signature--

Date: Thursday, 25 April 2024