

**Agarose, low EEO molecular biology grade , type D1**

**#Cat: NB-42-00146**

**-CERTIFICATE OF ANALYSIS-**

Product Name: Agarose, low EEO molecular biology grade , type D1

Product Code: NB-42-00146

CAS Number: 9012-36-6

Batch Number: AS518145

Retest Date: 30.09.28

Appearance:	Fine, homogeneous powder
Color	White
Particle Size (A,S.T.M):	
Over sieve 60	0.25%
Over sieve 100	31.65%
Over sieve 140	34.30%
Over sieve 200	17.30%
Under sieve 200	18.15%
Moisture	4.18%
Ash	0.32%
Electroendosmosis -Mr (-h8.4, Wieme Method)	12.00%
Sulfate	0.099%
Concentration min 1%	1.50%
Clarity (NTU)	2.65
pH in solution	7.32
pH in Gel	7.45
Colorimetry (Absorbance) nmu 450	0.028
Gel shength min 1380 g/cm2	3195 g/cm <sup>2</sup>
Gelling temperature	36.2
Melting temperature	88.8

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, 28 March 2024