



Certificate of Analysis

AGAROSE

Catalog Number: IB70035, IB70040, IB70041, IB70042, IB70045, IB70046, & IB70047

Lot Number: 17H2003

Molecular Formula: n/a

Molecular Weight: n/a

Appearance: Fine, homogeneous powder

Color: White

Assay	Min	Max	Actual
Clarity @ 1.5% (NTU)		≤3	2.98
pH in 1.5% solution			6.92
pH in 1.5% gel			7.64
Moisture		≤7%	4.58%
Ash		≤0.4%	0.34%
Sulfate		≤0.10%	0.098%
Electroendosmosis-Mr (pH 8.4)			0.12
Gel Strength @ 1.0% (g/cm ²)	≥1200		1,265
Gel Strength @ 1.5% (g/cm ²)	≥2500		2,950
Gelling Temperature @ 1.5%	34.5°C	37.5°C	36.8°C
Melting Temperature @ 1.5%	86.5°C	89.5°C	88.0°C
Colorimetry (Absorbance)			0.026
DNase Assay			NONE
RNase Assay			NONE
Comparative assay of different size DNA Fragments			PASS
Background fluorescence assay in Ethidium Bromide			PASS
Expiration Date			04/2022

Storage

Store at room temperature. Light Sensitive. Protect from moisture.

Catalog #	Size
IB70035	25gm
IB70040	100gm
IB70041	250gm
IB70045	1Kg
IB70046	2.5Kg
IB70047	5Kg

Particle Size (A.S.T.M.):	
oversieve 60	0.00%
oversieve 100	33.70%
oversieve 140	30.90%
oversieve 200	15.45%
undersieve 200	19.80%

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature: K. Kutsch
Date: 08/11/2017