



Certificate of Analysis

AGAROSE, LOW MELTING POINT

Catalog Number: IB70051, IB70050, IB70056, IB70057, IB70058, & IB70059

<u>Catalog #</u>	<u>Size</u>
IB70051	25gm
IB70050	50gm
IB70056	100gm
IB70057	250gm
IB70058	500gm
IB70059	1Kg

Lot Number: 16I4005

Molecular Formula: n/a

Molecular Weight: n/a

Appearance: Fine, homogeneous powder

Color: White

<u>Assay</u>	<u>Min</u>	<u>Max</u>	<u>Actual</u>
Clarity @ 1.5% (NTU)		≤4	3.21
pH in 1.5% solution			6.63
pH in 1.5% gel			6.67
Moisture		≤7%	3.02%
Ash		≤0.4%	0.28%
Sulfate		≤0.12%	0.064%
Electroendosmosis-Mr (pH 8.4)			0.11
Gel Strength @ 1.0% (g/cm ²)			310
Gel Strength @ 1.5% (g/cm ²)	≥500		1,215
Gelling Temperature @ 1.5%	24.0°C	28.0°C	25.7°C
Melting Temperature @ 1.5%		≤65.5°C	64.7°C
Colorimetry (Absorbance)			0.038
DNase Assay			NONE
RNase Assay			NONE
Comparative assay of different size DNA Fragments			PASS
Background fluorescence assay in Ethidium Bromide			PASS

<u>Particle Size (A.S.T.M.):</u>	
oversieve 60	0.00%
oversieve 100	16.45%
oversieve 140	39.40%
oversieve 200	18.45%
undersieve 200	25.85%

Storage

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

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

Signature: K. McCarthy
Date: 09/23/2016