



# Certificate of Analysis

## AGAROSE

**Catalog Number:** IB70035, IB70041, IB 70042, IB70045, IB70046, & IB70047

**Lot Number:** 18B1004

**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)		≤3	2.65
pH in 1.5% solution			7.01
pH in 1.5% gel			7.39
Moisture		≤7%	5.24%
Ash		≤0.4%	0.27%
Sulfate		≤0.10%	0.099%
Electroendosmosis-Mr (pH 8.4)			0.09
Gel Strength @ 1.0% (g/cm <sup>2</sup> )	≥1200		1,335
Gel Strength @ 1.5% (g/cm <sup>2</sup> )	≥2500		3,235
Gelling Temperature @ 1.5%	34.5°C	37.5°C	35.4°C
Melting Temperature @ 1.5%	86.5°C	89.5°C	89.2°C
Colorimetry (Absorbance)			0.015
DNase Assay			NONE
RNase Assay			NONE
Comparative assay of different size DNA Fragments			PASS
Background fluorescence assay in Ethidium Bromide			PASS
Expiration Date			12/2022

### Storage

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

<u>Catalog #</u>	<u>Size</u>
IB70030	10gm
IB70035	25gm
IB70041	250gm
IB70045	1Kg
IB70046	2.5Kg
IB70047	5Kg

<u>Particle Size (A.S.T.M.):</u>	
oversieve 60	0.70%
oversieve 100	28.45%
oversieve 140	34.05%
oversieve 200	19.05%
undersieve 200	18.60%

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

Signature: K. Kutsch  
Date: 02/02/2018