



# Certificate of Analysis

## AGAROSE

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

**Lot Number:** 17H2023

**Molecular Formula:** n/a

**Molecular Weight:** n/a

**Appearance:** Fine, homogeneous powder

**Color:** White

<b>Assay</b>	<b>Min</b>	<b>Max</b>	<b>Actual</b>
Clarity @ 1.5% (NTU)		≤3	2.90
pH in 1.5% solution			7.02
pH in 1.5% gel			7.55
Moisture		≤7%	4.20%
Ash		≤0.4%	0.36%
Sulfate		≤0.10%	0.099%
Electroendosmosis-Mr (pH 8.4)			0.12
Gel Strength @ 1.0% (g/cm <sup>2</sup> )	≥1200		1,330
Gel Strength @ 1.5% (g/cm <sup>2</sup> )	≥2500		2,985
Gelling Temperature @ 1.5%	34.5°C	37.5°C	36.4°C
Melting Temperature @ 1.5%	86.5°C	89.5°C	88.6°C
Colorimetry (Absorbance)			0.023
DNase Assay			NONE
RNase Assay			NONE
Comparative assay of different size DNA Fragments			PASS
Background fluorescence assay in Ethidium Bromide			PASS
Expiration Date			06/2022

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

<b>Particle Size (A.S.T.M.):</b>	
oversieve 60	0.10%
oversieve 100	21.20%
oversieve 140	37.30%
oversieve 200	17.75%
undersieve 200	23.70%

### **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. Kutsch  
Date: 08/15/2017