



# Certificate of Analysis

## AGAROSE, 3:1 SUPER SIEVE

<u>Catalog #</u>	<u>Size</u>
IB70052	25gm
IB70053	250gm

**Catalog Number:** IB70052, IB70053

**Lot Number:** 16G4003

**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)		≤5	2.58
pH in 1.5% solution			6.60
pH in 1.5% gel			6.65
Moisture		≤7%	4.66%
Ash		≤0.35%	0.35%
Sulfate		≤0.11%	0.091%
Electroendosmosis-Mr (pH 8.4)		0.12	0.12
Gel Strength @ 1.5% (g/cm <sup>2</sup> )		≥2,000	2,195
Gel Strength @ 4.0% (g/cm <sup>2</sup> )		≥4,200	5,180
Gelling Temperature @ 4.0%		≤40.5°C	39.5°C
Melting Temperature @ 4.0%		≤93.0°C	80.2°C
Colorimetry (Absorbance)			0.033
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	14.55%
oversieve 140	46.05%
oversieve 200	21.85%
undersieve 200	17.60%

### **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: 07/27/16