



Certificate of Analysis

AGAROSE, 3:1 SUPER SIEVE

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

Catalog Number: IB70052, IB70053

Lot Number: 12D4005

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	4.96
pH in 1.5% solution			6.53
pH in 1.5% gel			6.70
Moisture		≤7%	4.31%
Ash		≤0.35%	0.32%
Sulfate		≤0.11%	0.084%
Electroendosmosis-Mr (pH 8.4)		0.12	0.12
Gel Strength @ 1.5% (g/cm ²)		≥2,000	2,125
Gel Strength @ 4.0% (g/cm ²)		≥4,200	5,275
Gelling Temperature @ 4.0%		≤40.5°C	39.6°C
Melting Temperature @ 4.0%		≤93.0°C	80.3°C
Colorimetry (Absorbance)			0.052
DNase Assay			NONE
RNase Assay			NONE
Comparative assay of different size DNA Fragments			PASS
Background fluorescence assay in Ethidium Bromide			PASS
Expiration Date			08/2016

<u>Particle Size (A.S.T.M.):</u>	
oversieve 60	0.05%
oversieve 100	14.25%
oversieve 140	37.55%
oversieve 200	22.60%
undersieve 200	25.90%

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. Kuesner
Date: 08/2011