



Certificate of Analysis

AGAROSE, P.F.G.E

Catalog Number: IB70060, IB70061, IB70062, IB70063, IB70064, & IB70065

Lot Number: 12F1002

Molecular Formula: n/a

Molecular Weight: n/a

Appearance: Fine, homogeneous powder

Color: White

Assay	Min	Max	Actual
Clarity @ 1.5% (NTU)		≤4	3.92
pH in 1.5% solution			7.05
pH in 1.5% gel			6.85
Moisture		≤7%	3.89%
Ash		≤0.25%	0.18%
Sulfate		≤0.12%	0.057%
Electroendosmosis-Mr (pH 8.4)			0.11
Gel Strength @ 1.0% (g/cm ²)	≥1800		1,980
Gel Strength @ 1.5% (g/cm ²)	≥3200		3,690
Gelling Temperature @ 1.5%	34.5°C	37.5°C	36.5°C
Melting Temperature @ 1.5%	86.5°C	89.5°C	88.2°C
Colorimetry (Absorbance)			0.040
DNase Assay			NONE
RNase Assay			NONE
Comparative assay of different size DNA Fragments			PASS
Background fluorescence assay in Ethidium Bromide			PASS
Expiration Date			07/2014

Storage

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

Catalog #	Size
IB70060	25gm
IB70061	50gm
IB70062	100gm
IB70063	250gm
IB70064	500gm
IB70065	1Kg

Particle Size (A.S.T.M.):	
oversieve 60	0.85%
oversieve 100	33.75%
oversieve 140	36.90%
oversieve 200	16.30%
undersieve 200	13.90%

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

Signature: K. Kuesner
Date: 07/2011