



Certificate of Analysis

AGAROSE, P.F.G.E

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

Lot Number: 17C5001

Molecular Formula: n/a

Molecular Weight: n/a

Appearance: Fine, homogeneous powder

Color: White

Assay	Min	Max	Actual
Clarity @ 1.5% (NTU)		≤4	2.81
pH in 1.5% solution			6.96
pH in 1.5% gel			7.00
Moisture		≤7%	6.08%
Ash		≤0.25%	0.16%
Sulfate		≤0.12%	0.090%
Electroendosmosis-Mr (pH 8.4)			0.11
Gel Strength @ 1.0% (g/cm ²)	≥1800		1830
Gel Strength @ 1.5% (g/cm ²)	≥3200		4120
Gelling Temperature @ 1.5%	34.5°C	37.5°C	35.5°C
Melting Temperature @ 1.5%	86.5°C	89.5°C	89.2°C
Colorimetry (Absorbance)			0.025
DNase Assay			NONE
RNase Assay			NONE
Comparative assay of different size DNA Fragments			PASS
Background fluorescence assay in Ethidium Bromide			PASS

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	0.15%
oversieve 100	22.65%
oversieve 140	39.10%
oversieve 200	20.95%
undersieve 200	18.30%

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

Signature: K. McCarthy
Date: 03/27/2017