



Certificate of Analysis

AGAROSE, P.F.G.E

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

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

Lot Number: 14L4001

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)		≤4	2.82
pH in 1.5% solution			6.98
pH in 1.5% gel			6.97
Moisture		≤7%	4.35%
Ash		≤0.25%	0.20%
Sulfate		≤0.12%	0.071%
Electroendosmosis-Mr (pH 8.4)			0.11
Gel Strength @1.0% (g/cm ²)	≥1800		2015
Gel Strength @1.5% (g/cm ²)	≥3200		3850
Gelling Temperature @1.5%	34.5°C	37.5°C	36.3°C
Melting Temperature @1.5%	86.5°C	89.5°C	88.4°C
Colorimetry (Absorbance)			0.045
DNase Assay			NONE
RNase Assay			NONE
Comparative assay of different size DNA Fragments			PASS
Background fluorescence assay in Ethidium Bromide			PASS
Expiration Date			03/2017

<u>Particle Size (A.S.T.M.):</u>	
oversieve 60	0.00%
oversieve 100	21.60%
oversieve 140	35.20%
oversieve 200	18.95%
undersieve 200	25.20%

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: T. Frericks
Date: 1/6/2015