

# Certificate of Analysis

## Agarose, Sepro

Cat No : A0224

Lot No : 12201713

TEST	Specification	Result
Appearance	Fine, homogeneous powder	PASS
Color	White	PASS
Clarity (NTU)	$\leq 5$	3.85
Moisture	$\leq 10\%$	3.18%
Sulfate	$\leq 0.2\%$	0.12%
Ash	$\leq 0.5$	0.33 %
Gelling Temp (at 1.5%)	$36 \pm 1.5^{\circ}\text{C}$	PASS
Melting Temp (at 1.5%)	$88 \pm 1.5^{\circ}\text{C}$	PASS
Gel Strength (at 1.0%) , g/cm <sup>2</sup>	$\geq 1000$	1,240 g/cm <sup>2</sup>
Gel Strength (at 1.5%). g/cm <sup>2</sup>	$\geq 2000$	2,570 g/cm <sup>2</sup>
DNase, RNase, Protease	None detected	None detected
Comparative assay of different size DNA fragments	Identical separation	PASS
Background fluorescence assay in EtBr	No background	PASS
Particle Size (A.S.T.M.) :		
Over sieve 60	- 0.85 %	
Over sieve 100	- 5.7 %	
Over sieve 140	- 19.25 %	
Over sieve 200	- 36.3 %	
Under sieve 200	- 39.2 %	

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