

## TMB 005 – AGAROSE (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 005	<b>STANDARD SPECIFICATION FOR AGAROSE (Molecular Biology Grade)</b>	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 005

### PRODUCT PROPERTIES

C.A.S Number	9012-36-6
Chemical Formula	NA
Formula weight	NA
Functional Uses	Agarose gel electrophoresis, Protein purification, Solid Culture Media and 3D Cell Culture.
Standard Packaging	10 gm. & 100 gm

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White free flowing powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
EEO	0.12
Moisture	NMT – 10.0%
Ash	NMT – 0.4%
Sulphate (SO <sub>4</sub> )	NMT – 0.2%
Gel Strength (1.5%)	NLT – 500 g/cm <sup>2</sup>
Gelling Temp.	24 – 28°C
Melting Temp.	~ 65°C
DNases/RNases	None detected

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.