

TMB 090 – AGAR AGAR POWDER (Molecular Biology Grade)

REF NO: TBL/QA/SS/LC/TMB 090	STANDARD SPECIFICATION FOR AGAROSE AGAR AGAR POWDER (Molecular Biology Grade)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date: 07/02/2022		Product code: TMB 090

PRODUCT PROPERTIES

C.A.S Number	9002-18-0
Chemical Formula	NA
Formula weight	NA
Functional Uses	Agar Agar Powder is used as gelling agent thickener, stabilizer and emulsifier.
Standard Packaging	100 gm. 500 gm & 1Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Yellowish to creamish colour free flowing powder.
Solubility (2% soln. at 90°C)	Soluble in hot water. Near to clear.
Clarity (1% Soln. at 121°C)	Near to clear, light yellowish colour jelly.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (2% Soln. at 25°C)	6.0 – 7.0
Loss on drying (at 105°C)	NMT – 18.0%
Acid Insoluble Ash	NMT – 0.5%
Gelling Temp.	42 – 44°C
Melting Temp.	85 – 88°C
Total Ash	NMT – 5.0%
Gel Strength (1.5% Gel)	NLT – 900 gm/cm ²
Starch Test/ Gelatin Test	None detected
DNases/RNases/Proteases	None detected

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