

## 1270- AGAROSE, LOW EEO

REF NO: TBL/QA/SS/LC/1270	STANDARD SPECIFICATION FOR AGAROSE LOW EEO	Rev. No: 03
Issue No: 04		Review Date: 29/10/2024
Issue Date: 30/10/2021		Product code: 1270

### PRODUCT PROPERTIES

C.A.S Number	9012-36-6
Chemical Formula	C <sub>24</sub> H <sub>48</sub> O <sub>19</sub>
Formula weight	630.547
Functional Uses	Agarose has been used to estimate the amino acid concentrations in agarose and agar samples, as immobilisation substrates for enzyme immobilisation and for separating high molecular weight nucleic acids at low gel concentrations.
Standard Packaging	5 gm, 25 gm, 100 gm and 500 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White free flowing powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
EEO	0.14
Moisture	NMT – 7.0%
Ash	NMT – 0.4%
Sulphate (SO <sub>4</sub> )	NMT – 0.2%
Gel Strength (1.5%)	NLT – 900 g/cm <sup>2</sup>
Gelling Temp.	40 – 43°C
Melting Temp.	85 – 90°C
DNase/ RNase	None detected

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

