

## CM 23,400 – AGARAGAR TYPE I

### PRODUCT PROPERTIES

C.A.S Number	9002-18-0
Chemical Formula	NA
Formula weight	NA
Functional Uses	AGAR AGAR TYPE - I is used as a reagent in plant cell culture studies. It is also used for incubation of single antibody-forming cell to investigate the plaque formation..
Standard Packaging	100 gm, 500gm, 5kg and 25kg

### 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 <sup>2</sup>
Starch Test/ Gelatin Test	Negative

### MICROBIAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Total viable count	NMT – 10,000 cfu/gm



Escherichia coli	Negative
Salmonella spp.	Negative
Staphylococcus aureus	Negative
Yeast & Moulds	NMT – 100 cfu/gm

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

