

CM 23035 – 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 ^o C)	Soluble in hot water. Near to clear.
Clarity (1% Soln. at 121 ^o C)	Near to clear, light yellowish colour jelly.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (2% Soln. at 25 ^o C)	6.0 – 7.0
Loss on drying (at 105 ^o C)	NMT – 18.0%
Acid Insoluble Ash	NMT – 0.5%
Gelling Temp.	42 – 44 ^o C
Melting Temp.	85 – 88 ^o C
Total Ash	NMT – 5.0%
Gel Strength (1.5% Gel)	NLT – 900 gm/cm ²
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.

