

## TECHNICAL DATA SHEET AGAR PLANT TISSUE CULTURE GRADE

A major application of Agar Agar is in the field of Plant Tissue Culture. The growing interest in Tissue Culture as a standard method for the propagation of orchids, ornamental plants, vegetables, fruits and other agricultural products has increased this demand.

### Specifications

PARAMETERS	LIMITS
CLARITY	CLEAR
MOISTURE	15% MAX
PH	6.0 - 7.5
ASH	< 3% MAX
GEL STRENGTH	900 - 1000 gm/cm <sup>2</sup>
GELLING TEMPERATURE	36 - 40°C
MELTING TEMPERATURE	90 -97°C
SWELLING INDEX	≥ 8 ml
WATER ABSORPTION	< 75ml
GELATIN	PASSES TEST
INSOLUBLE MATTER	< 0.5%
STARCH	NIL
ACID INSOLUBLE ASH	< 0.5%
TOTAL HEAVY METALS	<10 ppm
LEAD(AS Pb)	<5 ppm
ARSENIC(AS As)	<3 ppm
MERCURY	< 1 ppm
CADMIUM	< 1 ppm
TOTAL COLONY COUNT	< 1000 cfu/gm
SALMONELLA	ABSENT in 10 gm
E.COLI	ABSENT in 10 gm
COLIFORM BACTERIA	ABSENT in 10 gm
MOLD	< 100 cfu/gm

YEAST	< 100 cfu/gm
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## Composition

Agar (E 406) -100%

## Storage

Keep from contact with oxidizing materials. Store in cool, dry, well-ventilated area from incompatible substances.

## Best Before

36 months under storage conditions.

Product quality should be re-evaluated prior to use if the “Expiry date has been exceeded.

## Packaging

25 Kg Corrugated Cartons or 25 kg fiber board drum with inner double layered Polyethylene Liner

We hereby declare that manufactured facility conforms to ISO/GMP and that all necessary measures are in place to avoid cross contamination.