

TECHNICAL SHEET

**BI003**

**Agar Powder (Extra pure)**

**Specifications**

**Appearance** : Pale Cream to light yellow coloured homogeneous free flowing powder

**Clarity (1.5% solution)** : Clear to slight opalescent gel

**pH (1% solution)** : 5.5 – 7.0

**Moisture** : NMT 12 %

**Gelling Temperature:** 35-40<sup>0</sup>c

**Microbial Load:(CFU/g)**

Total aerobic microbial count by plate method when incubated at 30-35 <sup>0</sup>c for 48 hours

**Bacterial count** :NMT 5000

Total Yeast and mold count by plate method when incubated at 20-25 <sup>0</sup>c for 120 hours

**Yeast and mold count** :NMT 250

**Test for specific organisms**

E.coli : Absent

Salmonella species : Absent

Pseudomonas aeruginosa : Absent

Staphylococcus aureus : Absent

**Applications:**

As solidifying agent in Microbiological culture media at concentrations:

For routine media – 1.2.to 1.7%

For softer media –0.5%

For semisolid media – 0.15%

For inhibition of Proteus spp. – 2.0 %

**Precaution**

1. For Laboratory Use
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.

**Storage** : Below 30<sup>0</sup>c in cool, dry place.

**Packing** : 500 g