

**Product Name :**  
Malt Extract Powder

**Product Code :**  
NLAB-CHEMICALSIND20009

**Description :**

Malt Extract Powder

**Technical Specification :**

Malt Extract Powder is rich in carbohydrates and is ideally suitable for use in media employed for cultivation of fungi such as, Malt Agar, Malt Extract Agar, Malt Extract Broth, Yeast Malt Agar, Yeast Malt Broth, etc.

Principle And Interpretation

Malt Extract Powder is prepared from aqueous extract of sprouted malt grains and dried at low temperature to preserve nutrients

present in the form of carbohydrates and nitrogenous substances. It is a brownish yellow coloured, homogeneous powder that dissolves in distilled water. An aqueous solution of it is yellow coloured.

Quality Control

Appearance: Cream to brownish yellow Homogenous Free flowing powder

Reaction: Reaction of 2% w/v aqueous solution at 25°C.

pH: 5.50- 7.50

Solubility: Freely soluble in distilled/purified water producing slight haziness, insoluble in alcohol.

Clarity: 1% w/v aqueous solution remains clear without haziness after autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Microbial Load:

Total aerobic microbial count (cfu/gm).

By plate method when incubated at 30-35°C for not less than 3 days.

Bacterial Count: 2000 CFU/gram.

Total Yeast and mould count (cfu/gm)

By plate method when incubated at 20-25°C for not less than 5 days.

Yeast & mould Count: 100 CFU/gram

Test for Pathogens

1. E.coli-Negative in 10 gms of sample
2. Staphylococcus aureus- Negative in 10 gms of sample
3. Pseudomonas aeruginosa Negative in 10 gms of sample
4. Salmonella species-Negative in 10 gms of sample
5. Clostridia- Negative in 10 gms of sample
6. C.albicans- Negative in 10 gms of sample

Cultural response

Cultural response observed after an incubation at 25-30°C for 48-72 hours by preparing Malt Extract Agar using Malt Extract as an ingredient.

## Naugralabequipments

**Website:** www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

**Address:** 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India. **Phone:** +91-9896600003