

CAT Nº:1806

Agars

PREPARATION

Agar is a natural hydrocolloid extracted from several species of red algae, mainly the Gelidium, Gracilaria and Pterocladia types. This agar is highly purified with a very low ash content for use in microbiology and biochemistry. It is subjected to rigid tests which guarantee its excellent performance in biochemical, bacteriological and mycological applications. It can be used in special studies such as yeast assimilation and vitamin assays.

CHEMICAL CHARACTERISTICS

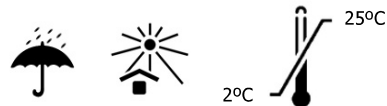
Appearance	White cream powder
Moisture	≤ 10%
Ashes	≤ 1,6%
Gel strength (1.5%, Nikan)	700-1200 g/cm ²
pH (1.5%) before autoclaving	5-7
pH (1.5%) after autoclaving	5-7
Melting point (1.5%)	80 - 95°C
Gelling point (1.5%)	32 - 37,5°C
Transparency (1.5%)	≤ 8 NTU
Colorimetry (absorbance) 430 mm	≤ 0.100
Partide size	95% over sieve 60

MICROBIOLOGICAL TEST

Standard plate count	Less than 3000 cfu /g
Yeasts and molds	Less than 100 cfu /g
Coliforms	Less than 3 cfu/g
<i>E.coli</i>	Negative
<i>Salmonella</i>	Negative

STORAGE

Once opened keep powdered medium closed to avoid hydration.



The dehydrated Purified Agar should be homogeneous, free flowing and beige in color. If there are any changes physically, discard the product.