Purified Agar

Cat. 1806

Gelling agent for culture media.

Practical information

Industry: Ingredients for culture media

Principles and uses

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.

Physical-chemical characteristics

Description	Specification
Ash	<1,6%
Gelling temperature 1,5 % (ºC)	34-38 ºC
Temperature melting 1,5% (ºC)	85-90 ºC
Loss on drying	<12%
Gel strength (Nikan method at 1,5% at 20ºC)	700-1200 g/cm2
Particle size	>95 % 60 mesh
Color	White
Appearance	Powder
pH (1,5% solution)	5,0-7,0
Turbidity at 1,5% (NTU)	<10 NTU
Colorimetry (450 nm)	<0.100
Resistivity (1%)	>20000 ohmios
Electroendosmosis (pH 8,4-Wieme method)	<0,450

Storage

Temp. Min.:2 ºC
Temp. Max.:25 ºC