

Agar

CAT NO.: APL-0001

DESCRIPTION

Agar is a hydrophilic colloid obtained from marine algae (Rhodophyceae). It is soluble in boiling water and is of significance to the microbiological area.

CONTENT

CAS# 9002-18-0

APL-0001

Agar

1 kg

STORAGE

Stored at RT. Once opened and recapped, place container in a low humidity environment at the same storage temperature. Protect from moisture and light by keeping container tightly closed.

APPLICATION

Agar has been used in the plant growth media.

Typical working concentration: 6-12g/L.

Specification

	Specification	Results
Colour and lustre	Similar white or light yellow	Light yellow
Form	Uniform powder or strips	Powder
Smell	No off-smell	No off-smell
Moisture (105°C, 4h), w/%	≤ 22	11.2
Ash content (550°C, 4h), w/%	≤ 5	1.5
Water insoluble matter, w/%	≤ 1	0.2
Starch test	Pass	Conform
Gelatin test	Pass	Conform
Heavy Metal	≤ 20	15
As (ppm)	≤ 3	0.41453
Pb (ppm)	≤ 3	0.42321
Gel strength (1.5%, 20°C, 4h)	≥ 900 g/cm2	959

PRODUCT USE LIMITATION

Research use only.