

## AGAR-AGAR

- Synonyms: Agar
- CAS [9002-18-0]
- EINECS-No.: 232-658-1

- LD 50 (oral, rat): 11000 mg/kg
- Tariff number: 1302 31 00 00

- Applications: nutrient media for bacterial culture, manufacture of dyes, emulsifier.

### AG0020 Agar-agar, powder, for bacteriology

pH in gel (1,5 %, after autoclaving) . . . . . 6,0 - 7,5  
 gel point (1,5 %, after autoclaving) . . . . . 34 - 36 °C  
 gel strength (1,5%, after autoclaving) . . . . . 650 - 750 Nikan  
 Nephelometry (after autoclaving) . . . . . max. 10 N.T.U  
 phosphates (as PO<sub>4</sub>) . . . . . max. 0,1%

calcium (Ca) . . . . . max. 0,1%  
 magnesium (Mg) . . . . . max. 0,05%  
 full ash . . . . . max. 6%  
 loss on drying . . . . . max. 8%

ART. NO.	VOLUME	CONTAINER
AG00200250	250 g	☞
AG00200500	500 g	☞
AG00201000	1 kg	☞

### AG0019 Agar-agar, food grade

insoluble matter . . . . . max. 1%  
 arsenic (As) . . . . . max. 3 ppm  
 copper and zinc . . . . . max. 0,001%  
 heavy metals (as Pb) . . . . . max. 0,001%  
 lead (Pb) . . . . . max. 0,001%  
 zinc (Zn) . . . . . max. 5 ppm

absorption of water . . . . . passes test  
 gelatines and other proteins . . . . . passes test  
 starch and dextrine . . . . . passes test  
 residue on ignition . . . . . max. 6,5%  
 loss on drying . . . . . max. 20%

ART. NO.	VOLUME	CONTAINER
AG00191000	1 kg	☞

## AGAROSE

- CAS [9012-36-6]
- EINECS-No.: 232-731-8

- Solub. in water: (20 °C): sparingly soluble
- Tariff number: 3913 90 00 99

- Applications: analytical chemistry, for electrophoresis.

### AG0030 Agarose Low EEO, electrophoresis grade

gel strength . . . . . min. 1000 g/cm<sup>2</sup>  
 gelling point . . . . . 34 - 38 °C  
 melting point . . . . . 86 - 90 °C  
 All purpose agarose for routine electrophoresis of  
 nucleic acids and proteins.  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,35 %  
 electroendosmosis . . . . . max. 0,15 -mr

water . . . . . max. 10 %  
 DNases, RNases . . . . . non detected

ART. NO.	VOLUME	CONTAINER
AG00300025	25 g	☞
AG00300100	100 g	☞
AG00300250	250 g	☞
AG00301000	1 kg	☞

### AG0031 Agarose Medium EEO, electrophoresis grade

gel strength . . . . . min. 1000 g/cm<sup>2</sup>  
 gelling point . . . . . 34 - 38 °C  
 melting point . . . . . 86 - 90 °C  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,35 %

electroendosmosis . . . . . 0,16 - 0,20 -mr  
 water . . . . . max. 10 %  
 DNases, RNases . . . . . non detected

ART. NO.	VOLUME	CONTAINER
AG00310025	25 g	☞
AG00310100	100 g	☞

### AG0032 Agarose High EEO, electrophoresis grade

gel strength . . . . . min. 700 g/cm<sup>2</sup>  
 gelling point . . . . . 34 - 38 °C  
 melting point . . . . . 86 - 90 °C  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,35 %  
 electroendosmosis . . . . . 0,21 - 0,26 -mr

water . . . . . max. 10 %  
 DNases, RNases . . . . . non detected

ART. NO.	VOLUME	CONTAINER
AG00320025	25 g	☞
AG00320100	100 g	☞
AG00320250	250 g	☞

### AG0034 Agarose Low Melt, electrophoresis grade

gel strength . . . . . min. 400 g/cm<sup>2</sup>  
 gelling point . . . . . 26 - 30 °C  
 mesh size . . . . . > 65  
 melting point . . . . . 62 - 70 °C

Specially suitable in preparative electrophoresis for intact recovery of DNA and RNA, fragments greater than 1000 bp. Posar el greater than 1000 bp.  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,15 %  
 electroendosmosis . . . . . max. 0,15 -mr  
 resolution . . . . . passes test  
 water . . . . . max. 10 %  
 DNases, RNases . . . . . non detected

ART. NO.	VOLUME	CONTAINER
AG00340005	5 g	☞