

# DATA SHEET

Version: 03  
Revision date: 27/03/2023

## 1. Identification

Product name	<b>AgaPure™ Agarose LE (Standard Agarose)</b>
	100g
Cat. No	<b>AG005</b>

## 2. Description

Agarose is a neutral polysaccharide which is obtained in many purification steps from the cell wall of certain algae and red algae. Standard Agarose forms very clear gels with all standard running buffers and will result in a sharp and clear separation of your bio molecules. Extremely pure agarose with very low interference binding to staining reagents which produces a low background and high contrast appearance after staining.

## 3. Composition

Item	Quantity
AgaPure™ Agarose LE (Standard Agarose) (C.A.S 9012-36-6)	100g

## 4. Specifications

- Appearance: White, fine, homogeneous, free flowing.
- Electrophoresis grade
- Loss on Drying: 4.42%
- Melting Point (1.5%): 89.1°C
- Gel strength (1.5%): 3130 g/cm<sup>2</sup>
- Gelling temperature (1.5%): 36.4 °C
- Sulphate: 0.076%
- EEO (pH 8.4, Wieme Method): 0.12
- Ash: 0.37 %
- Guaranteed to be free of DNA binders, inhibitors, DNases, and RNases.

## 5. Storage specifications

Store the agarose at room temperature (20 – 24 °C).  
Long-term storage may also be done at 4 – 8 °C.  
Protect from moisture. Light Sensitive.

## 6. Applications

- DNA/RNA separation > 1Kb
- Analytical and preparative electrophoresis
- Excellent for all blotting applications
- Excellent for DNA typing
- Exceptionally low background of staining agents
- Protein electrophoresis such as radial immunodiffusion

## 7. Recommended Usage (TBE)

Concentration	Molecular Weight
1%	500bp-10kb
1.2%	350bp-7kb
1.5%	250bp-2kb



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### 8. Further information

- Product** This product is developed, designed and sold exclusively only for research purposes use.
- Use** The product was not tested for use in diagnostics or for drug development, nor is it suitable
- Limitations** for administration to humans or animals.
- Disclaimer** The information provided in this Data Sheet is correct to the best of our knowledge and belief at the date of publication. This information is intended only as a guide and should not be taken as a warranty or quality specification. Canvax Reagents S.L.U. shall not be held liable for any damage resulting from handling or from contact with the above product.

