

ChemiPURE Acrylamide, Electrophoresis Grade, ≥99%

100 g, 500 g

Cat No: ACR01, ACR05

Shipping : Ship at ambient temperature.

Storage : Store at room temperature (15–25°C) in a tightly closed container.

General Information

ChemiPURE Acrylamide, Electrophoresis Grade, ≥99%, is a high-purity, water-soluble monomer designed for the preparation of polyacrylamide gels used in protein and nucleic acid electrophoresis. It provides a reliable base matrix for routine analytical and preparative PAGE workflows.

During gel polymerization, acrylamide copolymerizes with a suitable cross-linker such as bis-acrylamide to form a stable polyacrylamide network. By adjusting total monomer concentration and the acrylamide-to-bis-acrylamide ratio, gel pore size can be tailored for the electrophoretic separation of proteins, DNA, or RNA over different molecular-size ranges.

ChemiPURE Acrylamide is suitable for routine gel casting in SDS-PAGE, native PAGE, and nucleic acid PAGE applications and is manufactured for consistent performance in molecular biology and biochemical research workflows.

Applications

- Preparation of polyacrylamide gels for electrophoresis
- SDS-PAGE gel preparation for protein separation
- Native PAGE and non-denaturing protein electrophoresis
- DNA and RNA polyacrylamide gel electrophoresis
- Analytical and preparative electrophoresis workflows
- Gel casting with bis-acrylamide cross-linker systems
- Protein and nucleic acid separation by size and mobility
- General molecular biology and biochemical research applications

This product is sold for laboratory research use only.

CAS Number: 79-06-1

Molecular Weight: 71.08

Molecular Formula: C₃H₅NO

Purity: ≥99%

Appearance: White crystalline powder

Solubility: Soluble 2.5 g in 10 mL water