PRODUCT SPECIFICATION SHEET

Acrylamide-Bis Sol, 40%, 19:1

Catalog Number: A001-0500 **Size:** 500 mL **Form:** Liquid, ready-to-use

1. Product Description

CELLPICK Acrylamide-Bis Sol, 40%, 19:1 is a premium, ready-to-use liquid solution designed for the optimal preparation of polyacrylamide gels. By providing a pre-mixed and filtered liquid reagent, it completely eliminates the respiratory hazards associated with handling toxic powdered acrylamide, ensuring a safer laboratory environment.

- High-purity reagent providing sharp, crisp band resolution.
- Pre-mixed and filtered liquid, reducing direct exposure to toxic powders.
- 19:1 ratio (5% cross-linking) ideal for nucleic acid PAGE and high-resolution fragment analysis.

2. Specifications

Concentration	40% (w/v)
Composition	Acrylamide / Bis-acrylamide 19:1, 40% solution (w/v)
Appearance	Clear, colorless liquid
Storage Conditions	2–8°C (Refrigerated). Do not freeze.

3. Recommended Applications

This product is extensively used in SDS-PAGE and native PAGE for the efficient separation of proteins and nucleic acids by electrophoresis. Key applications include:

- DNA/RNA polyacrylamide gel electrophoresis (Denaturing & Native PAGE).
- Oligonucleotide and small fragment separation.
- Electrophoretic Mobility Shift Assay (EMSA).
- Small peptide and low-molecular-weight protein PAGE.

4. Usage Instructions

Use as directed in standard electrophoresis gel protocols. The 40% stock solution should be diluted to your desired final gel concentration using an appropriate buffer. Polymerize with APS and TEMED prior to casting.

5. Ordering Information

Catalog Number	Product Name	Packaging Unit
A001-0500	Acrylamide-Bis Sol, 40%, 19:1	500 mL