

Acrylamide, 1KG**PG-1430-1KG**

Acrylamide is a high-purity monomer widely used in molecular biology, biochemistry, and analytical laboratories for the preparation of polyacrylamide gels. It polymerizes in the presence of ammonium persulfate (APS) and TEMED to form stable gel matrices used for the separation and analysis of proteins, nucleic acids, and other biomolecules.

Parameter	Specification
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Product Name	Acrylamide
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Description High-purity acrylamide monomer for the preparation of polyacrylamide gels used in electrophoresis and molecular biology applications.

Molecular Formula C_3H_5NO

Molecular Weight 71.08 g/mol

Appearance White crystalline powder

Purity $\geq 99\%$

Solubility Freely soluble in water

Melting Point 84–86°C

CAS Number 79-06-1

Storage Condition	Store at 2–8°C in a tightly closed container. Protect from light, heat, and moisture.
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Safety

Harmful if inhaled, swallowed, or absorbed through skin. Suspected carcinogen. May cause liver, kidney, and central nervous system damage following prolonged or repeated exposure. Use in a well-ventilated area and wear appropriate PPE including gloves, lab coat, and safety goggles. Avoid contact with skin, eyes, and clothing. Store away from heat and incompatible materials.