ISOAMYL ALCOHOL, 500ml **PG-4490-500ML**

Isoamyl Alcohol (3-Methyl-1-butanol) is a high-purity organic alcohol widely used in molecular biology, biochemistry, and nucleic acid purification workflows. It is commonly utilized as a component of Phenol:Chloroform Alcohol (PCI) and Chloroform Alcohol (CIA) mixtures for DNA and RNA extraction, where it helps reduce foaming and improves phase separation during purification procedures.

Details

Product Name	Isoamyl Alcohol
Chemical Name	3-Methyl-1-butanol
Synonyms	Isopentyl Alcohol, Isoamylol
Molecular Formula	$C_5H_{12}O$
Molecular Weight	88.15 g/mol
Appearance	Clear, colorless liquid
Purity	≥ 99.0%
Density (20–25°C)	0.807–0.813 g/mL
Refractive Index (n20/D)	1.405–1.407
Boiling Point	130–132°C
Flash Point	43°C
CAS Number	123-51-3
Solubility	Slightly soluble in water; miscible with most organic solvents
Storage	RT

Applications / Uses: DNA Extraction and Purification, RNA Isolation Procedures, Phenol:Chloroform Alcohol (25:24:1) Preparation, Chloroform Alcohol (24:1) Preparation, Molecular Biology Research, Biochemical Analysis, Protein Purification Workflows, Organic Synthesis Applications, Laboratory Reagent Formulations etc.

Safety

Generally regarded as non-hazardous under normal laboratory conditions. Avoid inhalation of dust and contact with eyes. Use appropriate laboratory PPE, including gloves, lab coat, and safety glasses. Store in a cool, dry place away from moisture.