# Product Specifications

IBI SCIENTIFIC

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*An ISO 9001 Certified Company*

# ETHANOL (Anhydrous-Alcohol)

| *Product Number* | *Size* |
|---|---|
| **IB15720** | **500ml** |
| **IB15721** | **1L** |
| **IB15724** | **4L** |

## PHYSICAL SPECIFICATIONS

| | |
|---|---|
| Molecular Formula | $C_2H_5OH$ |
| Molecular Weight | 46.07 |
| Specific Gravity | 0.7964 Max. |
| Moisture (KF) | 1% Max. |
| Identification (IR) | Pass |
| Ethanol | 95% |
| Methanol | 5% |
| DNase assay | None Detected |
| RNase assay | None Detected |

## STORAGE

Store at room temperature inside a flame proof cabinet.

## RECOMMENDED USE

IBI Ethanol is widely used for precipitating nucleic acids. The nucleic acid precipitate, which is formed in the presence of moderate concentrations of monovalent actions, is recovered by centrifugation and redissolved in an appropriate buffer at the desired concentration. There are 3 major variables associated with this procedure listed below:

1.) The temperature at which the precipitate is formed
2.) Type and concentration of the monovalent cations used in the precipitate mixture. Most commonly used cations:
   - Ammonium acetate (removes the dNTPs, therefore do not use as phosorylating a nucleic acid)
   - Lithium chloride (used for RNA precipitation)
   - Sodium chloride (used for precipitating DNA samples containing SDS
   - Sodium acetate (used for routine DNA and RNA precipitations)
3.) Time and speed of centrifugetion

## CAS NO.

**CAS#** 64-17-5

## WARNING

**Classification:** Flammable Liquid - 2
Specific Traget Organ Toxicity (Single) - 1
Acute Toxicity Oral - 3
Acute Toxicity Inhalation - 3
Acute Toxicity Dermal - 3

**Hazard Statements:** H225-Highly flammable liquid and vapor • H331-Toxic if inhaled • H301-Toxic if swallowed • H311-Toxic in contact with skin • H371-May cause damage to organs (acute)

**Precautionary Statements:** P210-Keep away from heat/spark/ open flames/hot surfaces. No smoking • P280-Wear protective gloves/ protective clothing/eye protection/face protection • P302+P352-IF ON SKIN: Wash with plenty of soap and water • P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing • P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing

**DANGER!**

**FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY**

Building Quality Scientific.