

Isopropyl Alcohol (IPA)

Industrial solvent

Product Description

Industrial-grade Isopropyl Alcohol (IPA) is a widely used solvent and disinfectant in pharmaceutical manufacturing, electronics cleaning and sanitizer production.

Certificate of Analysis

HSN Code: 2905.12

CAS Number: 67-63-0

Classification: Hazardous – Flammable Liquids

Parameter	Specification	Test Method
Appearance	Clear colorless liquid	Visual
Assay (IPA)	"e 99.5 %	Gas Chromatography (GC)
Density at 20°C	0.784–0.786 g/cm³	Hydrometer / ASTM D4052
Water Content	"d 0.2 %	Karl Fischer
Acidity (as Acetic Acid)	"d 0.002 %	Titration
Residue on Evaporation	"d 0.001 %	Gravimetric
Distillation Range	81–83°C	Distillation (ASTM D1078)
Color (APHA)	"d 5	Spectrophotometry
Heavy Metals	"d 1 ppm	ICP-MS

Physical Properties

Appearance: Clear colorless liquid

Odor: Characteristic alcohol odor

Molecular Formula: C₃H₈O

Molecular Weight: 60.10 g/mol

Solubility: Miscible with water, ethanol, ether, acetone

Density: 0.785 g/cm³ at 20°C

Boiling Point: 82.5°C

Packing: 200 kg MS drums (epoxy-lined); IBC containers (1000 L); ISO tank for bulk; 25 L / 50 L cans for smaller quantities

Storage: Store in cool, well-ventilated area away from ignition sources, heat, and oxidizers. Keep containers tightly closed.

Safety & Handling

PPE: Chemical-resistant gloves, safety goggles, flame-resistant clothing, anti-static footwear

Hazards:

- Highly flammable liquid and vapor
- Causes eye irritation
- May cause drowsiness or dizziness