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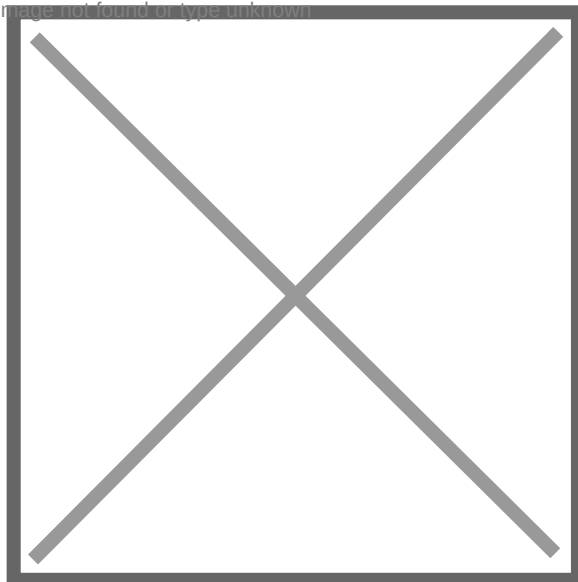
**Product Name :**

Tertiary Butyl Alcohol

**Product Code :**

SCL-991/238

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**Website:** <https://www.scilabexport.com>, **Email:** [sales@scilabexport.com](mailto:sales@scilabexport.com)

1226/1-5, Bengali Mohalla, Science Market, Ambala Cantt. Harvana 133001, India



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## Description :

**Tertiary Butyl Alcohol** (Product Code: SCL-991/238) is an analytical reagent grade tertiary alcohol, also called tert-butanol or 2-methylpropan-2-ol, used to classify alcohols and demonstrate SN1 substitution in college and senior-school organic chemistry laboratories. It is the standard tertiary example in the Lucas and oxidation tests and comes in a 500 ml pack with its MSDS. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a lab chemicals supplier in India.

## Specifications

| Parameter            | Detail                                                                                                            |
|----------------------|-------------------------------------------------------------------------------------------------------------------|
| Product              | Tertiary butyl alcohol (tert-butanol)                                                                             |
| Pack capacity        | 500 ml                                                                                                            |
| Grade                | Analytical reagent                                                                                                |
| Safety documentation | Supplied with MSDS                                                                                                |
| Shelf life           | Depends on the chemical, its grade and storage conditions; ask us for the expiry date of the batch you are quoted |
| Product code         | SCL-991/238                                                                                                       |
| Supplied by          | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India                                                    |

## What Is Tertiary Butyl Alcohol Used For?

To classify alcohols, students shake a few drops with Lucas reagent (zinc chloride in concentrated hydrochloric acid): tertiary butyl alcohol turns cloudy almost at once as the insoluble chloride separates, a secondary alcohol such as propan-2-ol clouds more slowly, and a primary alcohol shows little change at room temperature. With acidified potassium permanganate or dichromate the tertiary alcohol leaves the colour unchanged, because its central carbon carries no hydrogen to lose. Shaking it with concentrated hydrochloric acid in a separating funnel gives tert-butyl chloride, a clean classroom example of an SN1 reaction.

Its melting point lies close to room temperature, so the contents may be solid or partly solid in a cool store. Warm the closed bottle gently in a warm water bath, never over a flame, until it is fully liquid. The alcohol is highly flammable and its vapour irritates the eyes, so use it away from burners and in a well-ventilated room. An organic chemistry model kit helps students see why the three methyl groups crowd the central carbon and change its reactivity.

## Supplier

This alcohol is supplied by **Jain Scientific Equipments Private Limited**, which does business as ScienceLab from Ambala, Haryana, India. Organic reagents and solvents are sourced for teaching and research laboratories, and flammable liquids are dispatched according to carrier rules for customers in India and international markets. See the [company profile](#) for more about ScienceLab.

Related information: **Website:** <https://www.scilabexport.com>, **Email:** [sales@scilabexport.com](mailto:sales@scilabexport.com)

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