

## **IS/ISO 9994:2018 – Lighters – Safety Specification**

The Indian Standard IS/ISO 9994:2018 sets forth essential safety requirements for lighters to minimize the risk of accidents due to their widespread use. This international standard, aimed at protecting users, focuses on various safety aspects related to the design, materials, and performance of lighters.

The specifications address critical safety concerns such as the prevention of accidental ignition, structural integrity, and safe extinguishment. One of the primary objectives is to ensure that lighters cannot ignite if exposed to external heat sources, thereby reducing risks of unintentional fires. The standard mandates a maximum flame height to prevent burns and requires that the flame remains stable and not exceed certain temperatures, minimizing the risk of accidental injury.

Key specifications of IS/ISO 9994:2018 cover the materials used in lighter construction to ensure they do not pose additional hazards, such as fuel leakage or structural weaknesses that may lead to fractures. The standard also emphasizes safety testing procedures, including resistance to dropping, over-pressure, and temperature extremes, to confirm product reliability under normal and foreseeable conditions.

The packaging requirements ensure that lighters are transported and stored safely, while labeling guidelines mandate clear instructions for safe use, warnings, and manufacturer information for consumer protection. This standard supports consistency and compliance across manufacturers, enabling users to benefit from safer and more reliable products.

Through these comprehensive safety measures, IS/ISO 9994:2018 aligns with international norms, aiming to reduce risks associated with lighters in daily use. It ultimately enhances consumer safety by setting rigorous criteria that manufacturers must adhere to, ensuring quality control and uniformity in lighter production.

- To verify the CM/L number marked on the product, download the BIS CARE app from the Play Store.
- You may explore further by downloading the standard for free from <https://standardsbis.bsbedge.com/>.