IS/ISO 9994 : 2018 – Lighters – Safety Specification

The IS/ISO 9994 : 2018 standard defines essential safety requirements and rigorous testing methods for lighters to ensure safe use by the general public. It focuses on preventing common hazards such as accidental ignition, excessive flame height, and structural failure under normal and foreseeable conditions of misuse. Key safety parameters include limitations on maximum flame height and duration, fuel leakage prevention, and the lighter's capacity to withstand exposure to elevated temperatures and mechanical impacts without malfunctioning.

The standard outlines tests that simulate real-world and extreme conditions to validate that lighters do not pose unnecessary risks, covering everything from the durability of components to fire resistance and fuel containment under stress. It also mandates labeling requirements, such as instructions for safe handling, use, and disposal, ensuring users are informed about potential dangers and proper use.

By adhering to IS/ISO 9994 : 2018, manufacturers align with international safety protocols, which not only help in regulatory compliance but also promote consumer confidence in product safety. This standard is critical for manufacturers to mitigate risks associated with lighters and to meet global expectations for product safety, consumer protection, and responsible manufacturing practices.