IS 14407:2023-Aluminium Cans

The Indian Standard IS 14407:2023 for Aluminium cans focuses on the safety, durability, and quality of cans used for beverage packaging. Under BIS's mandatory certification, this standard applies to aluminium cans intended for a range of drinks, including non-alcoholic beverages like soft drinks and juices, alcoholic drinks, and even dairy-based beverages.

Why is this important for you as a consumer?

This standard helps protect your health and guarantees that the beverage you're enjoying is packaged in safe, reliable, and high-quality aluminium cans.

Key Specification-

o   **Variety of Sizes**: Whether you're picking up a small energy drink or a larger can of juice, this standard covers a wide range of capacity, from 150 ml to 1000 ml or any other capacity as per the consumer/purchaser requirements.

o   **Material of Cans**: The can shall be made from aluminium alloys of composition as per the requirement prescribe in the standards. The aluminium used in these cans is specially treated and coated mainly polyester or acrylic water based lacquer) to prevent your drink from coming into contact with the metal. This ensures that the beverage maintains its taste, purity, and does not get contaminated by harmful substances.

Testing requirements to ensure safety-

o   The cans are tested for strength and leak-proofing, ensuring they can handle pressure and are safe during handling, transportation, and storage. So, you can enjoy your drink without worrying about spills or contamination.

o   **Main test performs** are **Shapes and dimensions**, **Top Load/Axial Load /Column Strength**, **Enamel rater criteri**a (To assess the quality and integrity of the internal coating, or enamel layer, applied inside the can) , **Air pressure test** (for detecting leakage), **Migration test**(to evaluate the potential transfer (or migration) of substances from the packaging into the drink it contains) etc.

When buying ISI-marked aluminium cans, here's what to check-

o   Marking details include Indication of source of Manufacturer, Date of Manufacturing and lot number to facilitate complete traceability, BIS certification marking.

o   To verify the CM/L number marked on the product, download the BIS CARE app from the Play Store.

o   You may explore further by downloading the standard for free from **https://standardsbis.bsbedge.com**/ .