



IS 6712:2003 o-DICHLOROBENZENE — SPECIFICATION

o-Dichlorobenzene is a clear, colorless liquid with a sweet, aromatic odor. It is a type of chlorinated aromatic compound, formed by replacing two hydrogen atoms in benzene with chlorine atoms. This chemical is primarily used as a solvent in various industrial applications, such as in cleaning products, pesticides, and paints. It also serves as an intermediate in the production of other chemicals. o-Dichlorobenzene is valued for its ability to dissolve oils, greases, and resins. However, proper handling is essential, as it can be harmful to health if exposed to in large quantities.

For effective performance in industrial applications, o-Dichlorobenzene shall be of strong purity levels. The product should be a **clear, colorless liquid** with a **pleasant, sweet odor**, free from impurities and with **low moisture content**.

IS 6712:2003 outlines key quality parameters for o-Dichlorobenzene to meet consumer expectations for industrial and commercial use. The standard specifies **high purity**, typically above 99%, to ensure it functions effectively as a solvent and in chemical synthesis. It requires the product to be a **clear, colorless liquid** with a **mild, sweet odor**, free from impurities or discoloration, indicating it is of good quality. **Low moisture content** is emphasized, as water contamination can compromise its performance. The standard also limits **acidity levels** to prevent corrosion or interference in chemical processes.

Packaging must be **leak-proof and secure** to protect the product from contamination. **Labeling** requirements ensure that safety instructions, handling guidelines, and regulatory compliance are clearly communicated.

These parameters ensure that o-Dichlorobenzene remains safe, effective, and reliable in various applications, from solvents to chemical production.