Summary of IS 9908:2020 - Specification for Formic Acid

IS 9908:2020 specifies standards for formic acid, a versatile chemical widely used in industries such as agriculture, leather processing, and textiles. It outlines two grades: **Grade 1**, primarily for manufacturing **camphor**, and **Grade 2**, for broader **industrial applications**.

Consumers expect **high purity**, **solubility**, and **reliability** from formic acid, especially in sensitive uses like food preservation and textile processing. Key quality parameters include a minimum formic acid content (90% for Grade 1 and 85% for Grade 2), clarity, and minimal impurities. To meet these expectations, the standard mandates stringent limits on **Non-Volatile Matter**, **chlorides, sulfates, iron, and heavy metals** (such as lead) to ensure safety and functionality.

The IS 9908:2020 addresses these limits by defining specific test methods to ensure formic acid meets required purity levels and is free from insoluble or harmful residues. For example, rigorous titration methods assess **total acidity** and **non-volatile matter**, ensuring the material remains clear and efficient in application.

Packaging and labeling requirements further enhance safety, as the standard prescribes storage in corrosion-resistant containers to maintain product integrity. Labeling must include details like Name and grade of material, Net mass of material, batch numbers, manufacturer information, and certification markings for traceability and compliance.

Overall, IS 9908:2020 ensures that formic acid meets high standards of **purity, safety, and quality**, addressing both industrial and consumer needs through strict compliance with chemical and packaging specifications.