SUMMARY

IS 14184 : 1994 Pesticide Cartap Hydrochloride G - Specification

Cartap Hydrochloride G are used in the control of **insect pests** in agriculture. Cartap Hydrochloride G is generally manufactured to contain **4 percent (m/m) of Cartap hydrochloride**

This Indian Standard specifies the requirements for Cartap Hydrochloride G, a **pesticide formulation**, covering its **composition**, **physical** and **chemical properties**, **packaging**, and **testing procedures** to ensure quality and safety. The product must contain cartap hydrochloride (technical grade) combined with suitable carriers, binders, stabilizers, and other approved ingredients, all conforming to **IS 14159**. It must have a **moisture content** of no more than 4%, and **particle size** as mentioned in the standard and **dust content** restricted to 1%, with at least 8% of the dust containing the **active ingredient** reducing the risk of contamination or inefficacy. The standard prescribes the requirement of active content which must fall within the prescribed tolerance limits, and the **pH** of a 1% aqueous extract should be between 3.0 and 4.5. This verifies that the active ingredient is present in the correct concentration as declared on the product label ensuring that the pesticide performs effectively, complies with regulations, and does not pose risks to human health or the environment.

The product should be **packed** in **HDPE woven sacks** with LDPE liners, ensuring protection from contamination and moisture, maintaining the product's shelf life, stability, and potency over time. The packaging must also include detailed labelling, including the product name, batch number, manufacturing and expiry dates, net mass, nominal Cartap content, and **safety warnings**, as required by the **Insecticides Act, 1968**.

Sampling and testing procedures have also been prescribed in the standard to be conducted within 90 days of manufacture, as per **IS 10627: 1983**, to confirm compliance to the standard ensuring that the pesticide will effectively manage pests as intended, reducing crop loss and improving agricultural yields.