

IS 14183:1994 (Pesticide – Cartap Hydrochloride SP)

IS 14183: 1994 specifies the requirements and testing methods for cartap hydrochloride soluble powder (SP), a pesticide used in agriculture to control insect pests. Issued by BIS and first published in 1994 and in line with the provisions of the Insecticides Act, 1968, this standard ensures a safe and effective usage of pesticides.

Cartap hydrochloride SP is generally formulated to contain a minimum of 50% cartap hydrochloride. The standard prescribes that the pesticide must be a homogeneous fine powder or friable lumps, free from extraneous materials and easily soluble in water, forming a solution suitable for agricultural spraying. It should contain specified water-soluble fillers, wetting agents, and stabilizers to ensure stability and efficacy.

The standard specifies requirements for cartap hydrochloride content, water solubility and pH of 10% extract to maintain quality control. Additionally, tolerance limits are provided to account for minor variations in active ingredient concentration, ensuring consistency across batches.

For packaging, IS 14183 mandates the use of low-density polyethylene (LDPE) bags of at least 0.062 mm thickness for quantities up to 1,000 grams, sealed and then enclosed in cardboard cartons. Clear labeling is required on the packaging, detailing the product name, manufacturer's name, batch number, date of manufacture and expiry, active ingredient concentration, net mass, and cautionary notices in line with the Insecticides Act, 1968.

Sampling and testing are conducted within 90 days of production, with additional tolerance measures applied if testing occurs later. BIS certification marking is also permissible under the Bureau's conformity assessment scheme, indicating compliance with quality standards. Overall, IS 14183: 1994 aims to maintain high standards for the safety, quality, and effectiveness of cartap hydrochloride SP in pest control.