

Summary on IS 15236:2002 Profenofos + Cypermethrin Emulsifiable Concentrate

IS 15236:2002 is an Indian Standard (IS) established by the Bureau of Indian Standards (BIS) that outlines the specifications and testing methods for Profenofos + Cypermethrin emulsifiable concentrate. This formulation is commonly used as an insecticide in agricultural applications.

The standard details the following:

- **Requirements:** The standard specifies the minimum and maximum permissible concentrations of Profenofos and Cypermethrin in the emulsifiable concentrate. It also sets requirements for physical properties like appearance, colour, odour, and specific gravity.
- **Methods of Sampling:** The standard describes the procedures for collecting representative samples of the emulsifiable concentrate from different batches or production lots.
- **Methods of Test:** The standard outlines various laboratory tests to assess the quality and performance of the emulsifiable concentrate. These tests include:
 - **Chemical Analysis:** To determine the actual content of Profenofos and Cypermethrin in the formulation.
 - **Physical Properties:** To evaluate appearance, colour, odour, specific gravity, and other physical characteristics.
 - **Stability:** To assess the stability of the formulation over time under different storage conditions.
 - **Efficacy:** To evaluate the insecticidal activity of the formulation against target pests.

By adhering to the requirements of IS 15236:2002, manufacturers and users of Profenofos + Cypermethrin emulsifiable concentrate can ensure the quality, safety, and efficacy of this important agricultural pesticide.