



## IS 16145 : 2013 FIPRONIL SUSPENSION CONCENTRATE

### (SC) — SPECIFICATION

Fipronil SC is used as an insecticide in agriculture and belongs to the phenylpyrazole chemical family. Fipronil is used to control ants, beetles, cockroaches, fleas, ticks, termites, mole crickets, thrips, rootworms, weevils, and other insects. Fipronil SC is generally manufactured to contain 5.0 percent (m/m) of Fipronil.

**Key Quality Parameters:** The material shall consist of a suspension of Fipronil technical, in an aqueous phase, together with suitable formulants. It shall be in the form of cream to light pale yellow coloured suspension, free from extraneous matter. It shall readily form a suspension, on dilution with water, suitable for spray.

The standard specifies the requirements and methods of sampling and test for Fipronil SC to ensure its **quality, and potency**. These include requirements for constituents, physical properties – like description, Pourability, Spontaneity of Dispersion, Suspensibility, Wet Sieve Test, Persistent Foam test. Chemical requirements – like Fipronil content and acidity/alkalinity.

The standard also specifies requirements for packaging material to be used for packing Fipronil SC. This standard is crucial for manufacturers, pest control professionals, and regulatory authorities to ensure effective use of Fipronil SC protecting public health and the environment.