

**Summary of IS 12016:1987**  
**Specification for Cypermethrin EC**

Cypermethrin (CP) is a synthetic [pyrethroid](#) used as an [insecticide](#) in large-scale commercial agricultural applications as well as in consumer products for domestic purposes. It behaves as a fast-acting [neurotoxin](#) in insects. It is easily degraded on [soil](#) and plants but can be effective for weeks when applied to indoor inert surfaces. It is a non-systemic and non-volatile insecticide that acts by contact and ingestion, used in agriculture and in pest control products. Exposure to sunlight, water and oxygen will accelerate its decomposition.

IS 12016:1987 is an Indian Standard that specifies the requirements for cypermethrin emulsifiable concentrate (EC). This standard covers:

**Physical and chemical properties:** It defines the required properties of cypermethrin EC, such as its appearance, cold test, Flash point, Emulsion stability, Heat Stability and Cypermethrin content.

**Purity:** It specifies the minimum purity level of cypermethrin in the EC formulation.

**Packaging requirements:** It outlines the packaging materials and labeling requirements for cypermethrin EC.

**Safe handling and storage:** It provides guidelines for the safe handling, storage, and disposal of cypermethrin EC.

This standard aims to ensure the quality and safety of cypermethrin EC products available in the market.