

Summary of IS 13457 : 1992 (RA 2012)
Pesticide - Deltamethrin WP Specification

Deltamethrin is a high-performance synthetic pyrethroid insecticide used for Indoor Residual Spray (IRS) for Mosquitos, Flies, and Cockroaches as well as Effective against Stored Grain Pest i.e. Weevils, Beetles, Moths, etc. It is used, among other applications, for the production of long-lasting insecticidal nets (LLINs), which, along with indoor residual spraying (IRS), are the main vector control strategies recommended by the World Health Organization (WHO) for the management of malaria.

A wettable powder (WP) is a powder formulation that forms a suspension when mixed with water prior to spraying. Deltamethrin WP is generally manufactured to contain 2.5 percent (*mlm*) of Deltamethrin.

IS 13467 :1992 (RA 2012) prescribes HPLC and Total Bromine Analysis methods for determining the Deltamethrin content in order to ensure the active insecticide component in the product. Requirements such as suspensibility and wettability have also been prescribed in the standard. These requirements ensure that the pesticide is able to form a suspension easily and can be sprayed in field effectively.

The standard has been updated through issuance of two amendments and BIS certification marking clause has also been introduced in the standard through Amendment 2.