



## IS 14510:1997 LAMBDA-CYHALOTHRIN WP - SPECIFICATION

Lambda-cyhalothrin being a broad-spectrum insecticide kills insects by contact, ingestion and ovicidal action. It is ideal for use in controlling pests such as mosquitoes, houseflies, and cockroaches, ensuring a safer and more comfortable environment.

The Lambda-Cyhalothrin WP (Wettable Powder) should be a fine, free-flowing powder that is off-white to pale yellow-brown in color. It must be homogeneous and free from visible extraneous matter and hard aggregates. The product should wet easily when stirred with water, forming a suspension that is suitable for spraying.

1. Lambda-Cyhalothrin Content: The content of Lambda-Cyhalothrin, as declared on the label, should meet the nominal value specified. The exact percentage must be determined as per IS 6940.
2. Particle Size: At least 98% of the material should pass through a 75-micron sieve (as per IS 460, Part 1).
3. Suspensibility: The material must exhibit a minimum of 50% suspensibility when tested.
4. Wettability: The wetting time should not exceed 120 seconds.
5. Acidity: The acidity, expressed as H<sub>2</sub>SO<sub>4</sub>, should be  $\leq 1\%$  by mass.
6. Alkalinity: The alkalinity, expressed as NaOH, should be  $\leq 1\%$  by mass.

These specifications ensure the Lambda-Cyhalothrin WP is effective, stable, and easy to use in agricultural applications, forming a suitable spray suspension when mixed with water.