

LAMBDA CYHALOTHRIN 2.5 EULSIFIABLE CONCENTRATE (EC)  
ASC SPECIFICATION NO. 303

**LAMBDA CYHALOTHRIN**

1. Description & Identity.
  - a. Description. The product shall consist of an emulsifiable concentrate based on lambda cyhalothrin as the only active ingredient, together with suitable solvent and any necessary formulates. It shall be free from visible suspended matter and sediment.
  - b. Identify/Appearance. It is in liquid form. Colour is yellow/brown/straw/amber. It is odourless.
  
2. Active Ingredient. Lambda cyhalothrin. The Lambda cyhalothrin content shall be 2.5% W/W (25 g/L) at 20 c and when determined the content obtained shall not differ by  $\pm 5\%$ .
  
3. Type of Formulation. Emulsifiable concentrates (EC).
  
4. Other Properties.
  - a. Water Content. Nil.
  - b. Emulsion Stability. Readily forms an emulsion with water. Not more than a trace on top or bottom cream after 1 hour.
  - c. Corrosiveness. Not corrosive to metals or other materials used in spray equipment.
  - d. Specific Gravity. 0.89 ( $\pm 0.05$ ) g/cm<sup>3</sup> at 20<sup>0</sup>c.
  
5. Tests. The sample form the consignment should quality following tests:
  - a. Active Ingredient Test.
  - b. Biological Efficacy Test. It should quality the test as per standard procedure of IEDCR'B.
  
6. Packing and Marking of Packages. The lambda cyhalothrin EC shall be packed in suitable, clean plastic container. Each plastic container shall contain 5 liters of Lambda cyhalothrin EC. Following information shall be durable and legibly marked on all containers:
  - a. Lambda Cyhalothrin EC.
  - b. Manufacturer's Name.
  - c. Net weight of contents: 05 Litres.
  - d. Date of Formulation:
  - e. Date of Expiry.
  - f. Dilution instruction:
  - g. DGDP Contract No.

h. Handling Instructions: Lambda Cyhalothrin is highly poisonous. The following measures are recommended to avoid serious poisoning.

- (1) When dealing with Lambda Cyhalothrin use clean rubbergloves, protective clothing and goggles. Replace gloves frequently and destroy used gloves.
- (2) On accidental contact, remove all clothing and wash the skin with soap and water. Wash the clothing well before reuse.
- (3) If it gets in the eyes, immediately flush with water for at least 15 minutes and get medical attention immediately.
- (4) Always wash thoroughly with soap and water after handling and before taking food.
- (5) Keep away from the food and feed products.
- (6) Keep away from heat and open flame.
- (7) Keep out of the reach of children.

In addition each container shall be labeled with a sticker written "Poison" in red ink.

7. Inspection. Inspection of supplies tendered for acceptance shall be carried out by an officer acting on behalf of DST. The inspecting officer shall draw representative sample from each consignment and submit them to AFFDL, Dhaka Cantt for analysis and report. The analytical report of AFFDL shall be forwarded to DST whose decision regarding the consignment shall be final and the delivery shall be same/as per sample approved by the AFFDL in all respects.



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