

Summary of IS 1507:2024 - Copper Oxychloride Water Dispersible Powder Concentrate

1. Overview:

IS 1507:2024 is a specification for copper oxychloride water dispersible powder concentrate, primarily used as a fungicide for controlling plant diseases. This is the third revision of the standard, originally published in 1959.

2. Key Requirements:

Description: The powder should be free-flowing, homogeneous, and uniform in colour (green to greenish-blue). It should readily mix with water to form a suspension suitable for spraying.

Copper Content: The concentrate must contain 50% (m/m) copper. Tolerance limits for copper content are specified based on nominal values.

Suspensibility: A minimum of 80% suspensibility is required.

pH Level: The pH of a 1% aqueous solution should range from 6.0 to 9.5.

3. Packing and Marking:

Products must be packed according to IS 8190 (Part 1).

Containers should clearly display essential information, including the material name, manufacturer details, batch number, manufacture and expiry dates, net quantity, nominal copper content, and cautionary notices as per the Insecticides Act, 1968.

4. Testing and Sampling:

Testing methods include those specified in referenced Indian Standards.

Representative samples should be drawn according to IS 10627.

5. Compliance:

Products conforming to the standard may be marked with the Bureau of Indian Standards (BIS) certification mark, indicating compliance with the specifications.

6. Regulatory Framework:

The standard aligns with the provisions of the Insecticides Act, 1968, and relevant regulations.

This standard ensures the quality and safety of copper oxychloride formulations used in agricultural practices.