

(PREVIEW)

IS : 6438 – 1980

Indian Standard

SPECIFICATION FOR ALUMINIUM PHOSPHIDE FORMULATIONS

(First Revision)

FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 25 August 1980, after the draft finalized by the Pest Control Sectional Committee had been approved by the Agricultural and Food Products Division Council and the Chemical Division Council.

0.2 Aluminium phosphide in the form of tablets and pellets has lately become popular especially in fumigating stored foodgrains for protection against storage pests. Its popularity is mainly due to the convenience of its application and efficacy in comparison to other conventional fumigants. This fumigant has also been found useful in the control of rodents living in burrows. This formulation in contact with environmental moisture, releases 33 percent of its mass as phosphine gas.

0.3 While formulating this standard, the committee, responsible for the preparation of this standard, discussed at length the need for a warning gas in aluminium phosphide formulations, separate from phosphine, which itself serves the purpose. It has been established that aluminium phosphide tablets pellets without a separate warning gas can be used successfully without causing any untoward incident. It is more so when its use has been restricted to experienced pest control operators.

1. SCOPE

1.1 This standard prescribes the requirements and methods of sampling and test for aluminium phosphide formulations in the form of tables/pellets.