

(PREVIEW)

*Indian Standard*  
**SPECIFICATION FOR DRIED  
SILK WORM PUPAE AS LIVESTOCK FEED**

**FOREWORD**

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 17 September 1971, after the draft finalized by the Animal Feeds Sectional Committee had been approved by the Agricultural and Food Products Division Council.

**0.2** In the manufacture of commercial raw silk large quantities of cocoons become available after the reeling operations. The pupae contained in the cocoons may be successfully used as a source of animal protein in livestock and poultry feeds. Realizing the potential of utilization of this important source of animal protein in compound feeds it was considered necessary to formulate an Indian Standard for this product. The standard would prove to be of help in exercising proper quality control during production thereby making available silk worm pupae of the proper quality to the users.

**0.3** Silk worm pupae for use in animal feeds are recovered from the cocoons after reeling. The cocoons are first boiled to soften the outer chitinous covering, which is then removed manually. The pupae inside, after washing, are pressed to remove excess of moisture and dried either in the sun or in mechanical driers. Such dried pupae, on account of the high fat content, do not keep well for more than a few months. Therefore, to ensure longer storage the dried pupae are solvent extracted. The extracted pupae withstand longer storage on account of the low level of fat content.

**0.4** This standard contains clause 4.1 which calls for an agreement between the purchaser and the vendor.

**0.5** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value) observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2 - 1960\*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**1. SCOPE**

**1.1** This standard prescribes the requirements and the methods of sampling and test for dried silk worm pupae as livestock feed.