

(PREVIEW)

IS : 5406 - 1979

Indian Standard

**SPECIFICATION FOR
UREA, FERTILIZER GRADE**

(First Revision)

1 SCOPE

1.1 This standard prescribes the requirements and the methods of sampling and test for urea, fertilizer grade.

FOREWORD

0.1 This Indian Standard (First Revision) was adopted by the Indian Standards Institution on 26 April 1979, after the draft finalized by the Fertilizers Sectional Committee had been approved by the Petroleum, Coal and Related Products Division Council.

0.2 This standard was published in 1969. This revision had been undertaken to consider limit of biuret content. With increase in the use of urea as fertilizer in the country, its use as a foliar spray for plants has also increased. The Sectional Committee responsible for the preparation of this standard has given careful consideration to this aspect and found that no conclusive data is available to fix the critical biuret limits for individual crops for foliar spray application of the fertilizer. Further, separate standards on methods of sampling and test for fertilizers have been published, those details have therefore been deleted from this standard.

0.3 In the preparation of this standard, consideration has been given to the need for maintaining co-ordination with the specifications of the Fertilizer (Control) Order, 1957 and the Essential Commodities Act, 1955 of Government of India. However, this standard is subject to the provisions imposed under this Order wherever applicable.

0.4 For particle size, the use of IS sieve conforming to IS:460-1962* is prescribed. Where IS sieves are not available, other standard sieves as judged from aperture size may be used.

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.

*Specification for test sieves (*revised*).

†Rules for rounding off numerical values (*revised*).