

(PREVIEW)

IS : 6092 (Part 2) - 1985

Indian Standard

METHODS OF SAMPLING AND TEST FOR FERTILIZERS

PART 2 DETERMINATION ON OF NITROGEN

(First Revision)

1 SCOPE

1.1 This standard (Part 2) prescribes the methods for determination of nitrogen in its various forms in fertilizers, including fertilizer mixtures.

FOREWORD

0.1 This Indian Standard (Part 2) (Second Revision) was adopted by the Indian Standards Institution on 29 January 1985, 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 first published in 1971. Taking into consideration the views of manufacturers, testing authorities and the technologists, the Sectional Committee decided to revise the standard and felt that the method of test should be related to those mostly used in the industrial laboratories.

0.3 In the present revision 'Comprehensive nitrogen method' is given which shall be used as a referee method in case of any dispute. 'Raney powder method', 'Formaldehyde titration method' and 'Dimethyl amine benzaldehyde method' have been given and shall be used as alternate methods. Determination of urea and gravimetric method for determination of nitrate nitrogen have also been included in this revision.

0.4 In order to facilitate cross-reference to the present revised standard [IS : 6092 (Part 2)-1985 (first revision)] with the original standard [IS : 6092 (Part 2)- 1971] , Appendix A has been included in this standard showing the corresponding methods of test.

0.5 In the preparation of this standard, consideration has been given to the need for maintaining co-ordination with the methods of sampling and test for fertilizers prescribed under the Fertilizer (Control) Order, 1957 and the Essential Commodities Act, 1955 (incorporating amendment up to August 1981). However, this standard is subject to the provisions imposed under this order wherever applicable.