

(PREVIEW)

IS 6092 (Part 2/ Sec 7) : 2004  
ISO 8603 : 1993

# *Indian Standard*

## **METHODS OF SAMPLING AND TEST FOR FERTILIZERS**

### **PART 2 DETERMINATION OF NITROGEN**

#### **Section 7 Solid Fertilizers — Determination of Urea Nitrogen Content — Gravimetric Method Using Xanthidrol**

#### **1 Scope**

This International Standard specifies a gravimetric method for the determination of the urea nitrogen content of fertilizers. This method is not applicable to fertilizers containing cyanamide or the condensation products of urea and aldehydes (e.g. urea formaldehyde condensate, dicyandiamide or isobutylidene diurea).

**NOTE 1** If biuret is present in the fertilizer, it will be precipitated during the determination but the amount likely to be present is such that the effect on the results of the determination will be negligible.

#### **2 Normative References**

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 648:1977, *Laboratory glassware – One-mark*

ISO 1042:1983, *Laboratory glassware – One-mark volumetric flasks.*

ISO 3310-1:1990, *Test sieves – Technical requirements and testing — Part 1: Test sieves of metal wire cloth.*

ISO 8358:1991, *Solid fertilizers — Preparation of samples for chemical and physical analysis.*