

Indian Standard

**ANIMAL FEEDING STUFFS — DETERMINATION OF
NITROGEN CONTENT AND CALCULATION OF
CRUDE PROTEIN CONTENT**

PART 2 BLOCK DIGESTION/STEAM DISTILLATION METHOD

1 Scope

This part of ISO 5983 specifies a method for the determination of nitrogen content of animal feeding stuffs according to the Kjeldahl method, and a method for the calculation of the crude protein content.

It concerns a semi-micro rapid routine method using block-digestion, copper catalyst and steam distillation into boric acid.

The method is applicable to the determination of greater than 0,5 % Kjeldahl nitrogen in animal feeding stuffs, pet foods and their raw materials.

The method does not measure oxidized forms of nitrogen nor heterocyclic nitrogen compounds.

The method does not distinguish between protein nitrogen and non-protein nitrogen.

NOTE If it is of importance to determine the content of non-protein-nitrogen, an appropriate method can be used,

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referred document (including any amendments) applies.

ISO 385:2005, *Laboratory glassware — Burettes*

ISO 1871, *Agricultural food products — General directions for the determination of nitrogen by the Kjeldahl method*

ISO 6498:1998, *Animal feeding stuffs — Preparation of test samples*