Indian Standard

DETERMINATION OF THE EFFECTS OF POLLUTANTS ON SOIL FLORA

PART 1 METHOD FOR THE MEASUREMENT OF INHIBITION OF ROOT GROWTH

1 Scope

This part of ISO 11269 describes a preliminary test for the rapid estimation of soil quality by comparing the (rate of growth of roots of a specified plant under standard conditions with that in a test soil.

The method is applicable to all soils, soil forming materials, waste residues or chemicals which may be applied to soil, except where the contaminant is highly volatile or only affects photosynthesis.

It is applicable to the measurement of the effects of substances deliberately added to the soil and to the comparison of soils of known and unknown quality.

The method is not intended for use as a measure of the ability of the soil to support sustained plant growth.

2 Normative reference

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The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 11269. At the time of publication, the edition indicated was valid. All standards are sub ject to revision, and parties to agreements based on this part of ISO 11269 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below, Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 11274:— [1)], *Soil quality — Determination of the water retention* characteristic – Laboratory methods.

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1) To be published