

Indian Standard

**METHODS FOR
DETERMINATION OF METHYL PARATHION
RESIDUES IN FOODS**

1. SCOPE

1.1 This standard prescribes spectrophotometric and gas chromatographic methods for determination of methyl parathion [0,0-dimethyl 0-(4-nitrophenyl) phosphorothioate] and its oxygen analogue residues in foods.

1.1.1 Spectrophotometric method may be adopted as a limit test for routine purposes whereas gas chromatography method shall be the reference method with a minimum detection limit of 0.05 $\mu\text{g/g}$ (0.05 ppm) of methyl parathion residues.

1.1.2 Though no set procedure for thin layer chromatography (TLC) is being prescribed, any standardized TLC procedure may be followed if necessary for clean up, identification and confirmation of methyl parathion residues.