

SCHEDULE 2
METHODS OF ANALYSIS

PART I

9a.

EXTRACTION OF TOTAL PHOSPHORUS BY MINERAL ACIDS

PROCEDURE

Extraction

Extraction

7.—(7.1) Weigh to the nearest 0.001 g, 2.5 g of the prepared sample and place it in a dry Kjeldahl flask. Add 15 ml water and stir so as to suspend the substance. Add 20 ml nitric acid (4.2) and carefully add 30 ml sulphuric acid (4.1). When the initial violent reaction has ceased, slowly bring the contents of the flask to boiling and boil for 30 minutes. Allow to cool and then carefully add with mixing about 150 ml water and boil for 15 minutes.

Cool completely and transfer the liquid quantitatively to a 500 ml graduated flask. Make up to volume, mix and filter through a dry fluted filter, discarding the first portion of the filtrate.

Determination

(7.2) Determine the phosphorus according to Method 10 on an aliquot part of the clear filtrate.