

## SCHEDULE 2

### METHODS OF ANALYSIS

9h.

#### EXTRACTION OF PHOSPHORUS BY WATER

##### 1 SCOPE

1. This method is for the determination of water-soluble phosphorus.

##### 2 FIELD OF APPLICATION

2. All fertilisers, including compound fertilisers, where water-soluble phosphorus is to be determined.

##### 3 PRINCIPLE

3. Extraction in water by shaking under specific conditions.

##### 4 APPARATUS

- 4
- 4.1 500 ml graduated flask (for example Stohmann).
- 4.2 Rotary shaker, 35 — 40 turns per minute.

##### 5 PREPARATION OF THE SAMPLE

5. See Method 1.

##### 6 PROCEDURE

6

###### *Extraction*

6.1 Weigh to the nearest 0.001 g, 5 g of the prepared sample and place it in a 500 ml graduated flask (4.1). Add to the flask 450 ml of water, the temperature of which must be between 20° and 25°C. Shake on the rotary shaker (4.2) for 30 minutes. Then make up to the mark with water, mix thoroughly by shaking and filter through a dry fluted filter, into a dry container.

###### *6.2 Determination*

Determine the phosphorus according to Method 10, on an aliquot part of the clear filtrate.