

SCHEDULE 2
METHODS OF ANALYSIS

PART I

9h.

EXTRACTION OF PHOSPHORUS BY WATER

SCOPE

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

FIELD OF APPLICATION

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

PRINCIPLE

3. Extraction in water by shaking under specific conditions.

APPARATUS

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

PREPARATION OF THE SAMPLE

5. See Method 1.

PROCEDURE

Extraction

Extraction

- 6.—(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 the filter through a dry fluted filter, into a dry container.

Determination

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