

SCHEDULE 2

METHODS OF ANALYSIS

9b.

EXTRACTION OF PHOSPHORUS BY 2% FORMIC ACID

Extraction

7.1 Weigh to the nearest 0.001 g, 5 g of the prepared sample and place it in a dry 500 ml graduated Stohmann flask (5.1) with a wide neck. While continuously rotating the flask by hand, add the formic acid (4.1) (at $20 \pm 1^\circ\text{C}$) until it is approximately 1 cm below the graduation mark and make up to the volume. Close the flask with a rubber stopper and shake for 30 minutes at $20 \pm 2^\circ\text{C}$ on the rotary shaker (5.2). Filter the solution through a dry fluted filter, into a dry receiver, discarding the first portion of the filtrate.