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SCHEDULE 2

METHODS OF ANALYSIS

PART I

26g.

DETERMINATION OF COPPER IN FERTILISER EXTRACTS BY THE TITRIMETRIC METHOD

3 PRINCIPLE

3. The cupric ions are reduced in an acidic medium with potassium iodide:

 $<2Cu+++4I\rightarrow 2CuI+I2$

The iodine released in this way is titrated with a standard sodium thiosulfate solution in the presence of starch as an indicator in accordance with:

 $I2 + 2Na2S2O3 \rightarrow 2NaI + Na2S4O6$