

Status: This is the original version (as it was originally made). This item of legislation is currently only available in its original format.

SCHEDULE 2

METHODS OF ANALYSIS

10.

DETERMINATION OF EXTRACTED PHOSPHORUS

7 EXPRESSION OF THE RESULTS

7. If the samples for analysis and dilutions shown in the Table are used the following formulae apply:

$$\begin{aligned} \% P \text{ in the fertiliser} &= (A - a) \times F' \\ \% P_2O_5 \text{ in the fertiliser} &= (A - a) \times F \end{aligned}$$

where:

- A = weight in g of the quinoline phosphomolybdate
- a = weight in g of the quinoline phosphomolybdate obtained in the blank test
- F and F' = factors given in the last two columns of the Table.

With samples for analysis and dilutions which differ from those of the Table the following formulae apply:—

$$\begin{aligned} \% P_2O_5 \text{ in the fertiliser} &= \frac{(A - a) \times f \times D \times 100}{M} \\ \% P \text{ in the fertiliser} &= \frac{(A - a) \times f' \times D \times 100}{M} \end{aligned}$$

where:

- f = conversion factor, quinoline phosphomolybdate into P₂O₅ = 0.03074
- f' = conversion factor, quinoline phosphomolybdate into P = 0.013984
- D = dilution factor
- M = weighing of the sample analysed

% P ₂ O ₅ in the fertiliser	% P in the fertiliser	Sample for analysis g	Dilution to ml	Sample ml	Dilution to ml	Sample to be precipitated ml	Quinoline phosphomolybdate conversion factor (F) in percentage P ₂ O ₅	Quinoline phosphomolybdate conversion factor (F) in percentage P
1-5	0.44 -2.2	1	500	—	—	100	16.037	6.992
		2.5	500	—	—	50	12.830	5.594
		5	500	—	—	25	12.830	5.594
5-10	2.2 -4.4	1	500	—	—	50	32.074	13.984
		2.5	500	—	—	25	25.660	11.188

Status: This is the original version (as it was originally made). This item of legislation is currently only available in its original format.

<i>% P₂O₅ in the fertiliser</i>	<i>% P in the fertiliser</i>	<i>Sample for analysis g</i>	<i>Dilution to ml</i>	<i>Sample ml</i>	<i>Dilution to ml</i>	<i>Sample to be precipitated ml</i>	<i>Quinoline phosphomolybdate conversion factor (F) in % P₂O₅</i>	<i>Quinoline phosphomolybdate conversion factor (F) in % P</i>
		3	500	—	—	25	21.383	9.323
		5	500	—	—	10	32.074	13.984
10-25	4.4 -11.0	1	500	—	—	25	64.148	27.968
		2.5	500	—	—	10	64.148	27.968
		3	500	—	—	10	53.457	23.307
		5	500	50	500	50	64.148	27.968
+25	+11	1	500	—	—	10	160.370	69.921
		2.5	500	50	500	50	128.296	55.937
		3	500	50	500	50	106.913	46.614
		5	500	50	500	25	128.296	55.937