SCHEDULE 2

METHODS OF ANALYSIS

14.

DETERMINATION OF CHLORIDES IN THE ABSENCE OF ORGANIC MATERIAL

8 EXPRESSION OF THE RESULT

8. Express the result of the analysis as a percentage of chloride contained in the sample as it has been received for analysis.

Calculation: calculate the percentage of chloride (Cl) with the formula:

$$\% \; Cl = \frac{0.003546 \; x \; (V_z - V_{cz}) - (V_a - V_{ca}) \; x \; 100}{M}$$

where:

V_z = number of millilitres of silver nitrate added

V_{cz} = number of millilitres of silver nitrate used in the blank test

V_a = number of millilitres of ammonium thiocyanate used for the titration of the sample

V_{ca} = number of millilitres of ammonium thiocyanate used for the titration of the blank

M = weight in grams of the sample in aliquot volume taken for titration