

SCHEDULE 2

METHODS OF ANALYSIS

PART II

13.

DETERMINATION OF IRON

3.4 REAGENTS

3.4 Hydrogen peroxide, approximately 100 volume, 30% by weight.

(3.5.1) Iron solution(1) (stock):

weigh to the nearest 0.001 g, 1 g pure iron, dissolve in 200 ml 6 N hydrochloric acid solution (3.2), add 16 ml hydrogen peroxide solution (3.4) and dilute to 1 litre with water.

1 ml of this solution = 1,000 µg of iron (Fe).

(3.5.2) Iron solution (dilute):

dilute 10 ml of stock solution (3.5.1) to 100 ml with water.

1 ml of this solution = 100 µg of iron (Fe).

(1) Commercially available standard iron solution may be used.