

SCHEDULE 2

PART II

DETERMINATION OF ALPHA-AMYLASE IN WHOLE EGG OR YOLK

Reagents

3. All reagents shall be of analytical reagent (AR) grade, water for the preparation of reagents shall be distilled or de-ionised, and the reagents shall comprise the following solutions—

- (a) starch solution made up as follows—
 - (i) an amount of soluble starch of known moisture content and of the appropriate grade for the determination of alpha-amylase, equivalent to 0.70 g of dry starch mixed to a thin cream with cold water; transferred to about 50 ml of boiling water, boiled for one minute and then cooled by immersion in cold water; three drops of toluene shall be added and the whole diluted with water to 100 ml in a volumetric flask; the solution shall not be retained for longer than 14 days;
- (b) solution of iodine made according to one of the following—
 - (i) an accurately weighed amount of 0.1269 g of iodine and 3.6 g of potassium iodide dissolved in water such that the final volume of the solution is 1 litre; the volumetric flask containing the solution shall be protected from light and a fresh solution shall be prepared daily;
 - (ii) the solution described in sub-paragraph (i) diluted from a stronger solution with appropriate adjustment of potassium iodide concentration; or
- (c) solution of trichloroacetic acid made up as follows—
 - (i) 15% (w/v) of trichloroacetic acid dissolved in water.