

## ANNEX

### DETERMINATION OF DICHLOROMETHANE AND 1,1,1-TRICHLOROETHANE DETERMINATION OF TOTAL FLUORINE IN DENTAL CREAMS

#### 6. PROCEDURE

##### 6.3. **Calibration graph**

- 6.3.1. Place, by pipette, into a series of six centrifuge tubes (5.6), 0, 1, 2, 3, 4 and 5 ml of the diluted fluoride standard solution (4.7.2). Make up the volume in each tube to 5 ml with water (4.2).
- 6.3.2. Proceed as described under 6.1.3 to 6.1.6 inclusive.
- 6.3.3. Inject 3 µl of the organic phase on to the column of the gas chromatograph (5.2).
- 6.3.4. Repeat the injection and calculate the average peak ratio (ATEFS/ACH).
- 6.3.5. Plot a calibration graph correlating the mass of fluorine (in milligrams) in the standard solutions (6.3.1) and the peak area ratio (ATEFS/ACH) measured under 6.3.4. Connect the points of the graph with the best fitting straight line calculated by regression analysis.