

## **M504 Asbestos and Other Fibres – Practical exam guidance**

### **1. Air monitoring**

You are required to

1. Set up and use an air sampling system for asbestos fibres in air.
2. Prepare a membrane filter on a microscope slide for asbestos fibre counting

You will be assessed on the following criteria

- |                                     |            |
|-------------------------------------|------------|
| a) Correct set up of sampling train | (10 marks) |
| b) Calibration of flow rate         | (10 marks) |
| c) Manufacture of slide from filter | (10 marks) |

In addition, you will be required to write up your work, recording relevant information as follows

- |  |            |
|--|------------|
| a) Labelled diagram / sketch of the sampling train | (5 marks)  |
| b) Calculate volume of air sampled                 | (10 marks) |
| c) Record relevant sampling information            | (5 marks)  |

### **2. Bulk asbestos sampling**

You are required to take a sample of (non-asbestos) pipe insulation or insulation board ensuring that

- a) The sampling area is safely prepared
- b) The sample is correctly taken
- c) Suitable precautions are taken to prevent fibre release
- d) The sampling area is left in a suitable condition
- e) The sampling equipment is cleaned and any waste generated disposed correctly

(25 marks)

In addition, you will be asked questions by the assessor relating to safety issues of asbestos sampling. This will include questions on

- a) The correct use of respiratory protection
- b) The correct use of personal protective clothing
- c) Decontamination procedures
- d) Other safety issues

(25 marks)