

## **M504 Asbestos and Other Fibres – Revision questions**

### **Section 8 – Analysis of bulk samples**

1. What type of microscopy is usually used to analyse bulk samples for asbestos?  
(Page 156 – 157)
2. What are the health and safety issues related to analysis of asbestos bulk samples?  
What precautions / systems should be in place to minimise these risks?  
(Pages 157 – 158)
3. Why is sample preparation undertaken? What techniques are available?  
(Pages 160 – 161)
4. What is meant by the following terms?
  - a. Pleochroism
  - b. Birefringence
  - c. Extinction
  - d. Sign of elongation  
(Pages 168 – 171)
5. How is dispersion staining used to confirm the type of asbestos? What refractive index liquid is used for the three most commonly found asbestos fibre types?  
(Pages 171 – 173)
6. What procedures / systems should be in place to improve the reliability of results of asbestos bulk analysis?  
(Page 174)