

ASTCCR3

Contribute to maintaining the required standard of cleanliness of clean-rooms



Overview

This standard is about the maintenance of clean-rooms. It includes monitoring the cleanliness of clean-rooms and responding to any drop in standards effectively.

ASTCCR3

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Performance criteria

Monitor the cleanliness of clean-rooms

You must be able to:

- P1 select the appropriate **test or measuring equipment** to monitor the cleanliness of the clean-room
- P2 use the appropriate test or measuring equipment following **instructions** and correct **procedures**
- P3 carry out tests or measuring operations including calibration where necessary following instructions and correct procedures
- P4 take all practical precautions to minimise **damage** or **disruption** to clean-room operation caused by monitoring processes
- P5 record results of tests or measuring operations accurately and clearly

Take action to maintain standards of cleanliness in clean-rooms

You must be able to:

- P6 compare the results of tests or measuring operations against the required **standards of cleanliness**
- P7 arrange for cleaning operations to be carried out where the results of tests fail to meet the standards of cleanliness required
- P8 carry out re-testing or measuring operations after cleaning operations, as required to meet the required standards of cleanliness for the clean-room

ASTCCR3

Contribute to maintaining the required standard of cleanliness of clean-rooms

Knowledge and understanding

You need to know and understand:

Monitor the cleanliness of clean-rooms

- K1 where to get the information on how to select the appropriate test or measuring equipment
- K2 why it is important to follow the manufacturers' instructions when you use the appropriate test or measuring equipment and the consequences of not doing so
- K3 why equipment should be calibrated and the possible consequences of not doing so
- K4 what action to take if a test or measuring operation cannot be completed and why it is important to take this action
- K5 what action to take if any damage or disruption occurs during the test or measuring operation and why it is important to take this action
- K6 how to record the results of the test or measuring operation and why accuracy and clarity are important

Take action to maintain standards of cleanliness in clean-rooms

You need to know and understand:

- K7 where to get information on the standards of cleanliness required
- K8 how to interpret the results of tests and compare them against the standards of cleanliness required
- K9 what action to take if the results fail to meet the standards of cleanliness required and why this is important
- K10 why it is important to carry out re-testing or measuring operations and the consequences of not doing so

ASTCCR3

Contribute to maintaining the required standard of cleanliness of clean-rooms

Additional Information

Scope/range

Monitor the cleanliness of clean-rooms

- 1 **test or measuring equipment:** ultra-violet light; eye intensity light; sticky tape; optical particle counter; coloured wiper; settle plates; colour change systems
- 2 **instructions and procedures:** from manufacturers' instructions; procedures laid down by your organisation or your client; for calibration
- 3 **damage** to: the clean-room; equipment
- 4 **disruption** to: equipment operation; clean-room process

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- 5 **standards of cleanliness** required by: your organisation; the client; legislation

ASTCCR3

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