

SKSTEX19 - SQA Unit Code H9ED 04

Perform textile testing operations



Overview

This standard is for those who carry out routine testing operations on textile products from the preparation of samples through to recording and validating test results.

The job role may involve:

1. Preparing for textile testing
2. Preparing the test sample
3. Conducting and recording tests
4. Validating data and presenting results

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Performance criteria

- You must be able to:*
- P1 receive relevant documentation and identified samples before testing
 - P2 select and prepare appropriate testing equipment
 - P3 check that equipment is fit for purpose, calibrated and ready for use
 - P4 report faulty, unserviceable equipment to appropriate people
 - P5 identify the correct sample
 - P6 prepare the samples for testing in accordance with standard operating procedures
 - P7 ensure the appropriate controlled conditions are in place
 - P8 carry out prescribed tests according to standard procedures and within agreed timescales
 - P9 apply approved tolerances as required
 - P10 ensure test variables are within acceptable limits
 - P11 make adjustments to maintain required conditions during testing
 - P12 record and report deviations from set procedures to appropriate people
 - P13 identify and store test samples in accordance with agreed procedures
 - P14 check data against required outcomes
 - P15 record and validate results
 - P16 present validated results
 - P17 draw valid and reliable conclusions from processed data
 - P18 identify and resolve deviations following agreed procedures
 - P19 make recommendations following implementation
 - P20 complete and store accurate records and documentation
 - P21 dispose of used samples and waste
 - P22 clean and store equipment and materials after use following organisational procedures
 - P23 clean the work area and dispose of equipment and materials safely and promptly in accordance with organisational procedures

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Knowledge and understanding

You need to know and understand:

- K1 how to receive work instructions and specifications and interpret them accurately
- K2 how to make use of the information detailed in specifications and instructions
- K3 ways of planning work activities to maintain continuity of operations
- K4 how to rectify with problems within the work area, and within limits of personal responsibility
- K5 the principles of testing
- K6 the types of testing methods and routines
- K7 methods of controlling variables
- K8 types of testing equipment and ways of ensuring its serviceability
- K9 action to take when equipment is defective
- K10 health, safety and environmental requirements
- K11 types of hazards, risks and abnormal occurrences and how to respond to them
- K12 types of waste and methods of dealing with them
- K13 methods of processing and validating data
- K14 tolerance limits and required levels of accuracy
- K15 approved methods of dealing with deviations and anomalies and procedures for correcting data
- K16 procedures for recording and retrieving data
- K17 how to report results and to whom
- K18 storage of information
- K19 calculation of test results
- K20 statistical and mathematical techniques applicable to data
- K21 the importance of achieving quality and its relation to the end user/customer
- K22 safe working practices and organisational procedures
- K23 limits of your own responsibility
- K24 ways of resolving with problems within the work area, and within limits of personal responsibility
- K25 the production process and how your specific work activities relate to the whole process
- K26 the importance of effective communication with colleagues
- K27 the lines of communication, authority and reporting procedures
- K28 the organisation's rules, codes and guidelines (including timekeeping)
- K29 the companies quality standards
- K30 the types of records kept, how are they completed and the importance of keeping them accurate
- K31 the importance of complying with written instructions
- K32 equipment operating procedures / manufacturers' instructions

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K33 statutory responsibilities under Health, Safety and Environmental legislation and regulations

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Developed by	Creative Skillset
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Version number	5
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Date approved	January 2013
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Indicative review date	April 2017
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Validity	Current
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Status	Original
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Originating organisation	Creative Skillset
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Original URN	TEX19
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Relevant occupations	Manufacturing technologies; Crafts, creative arts and design; Design Associate Professionals; Textile and Garment Trades
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Suite	Manufacturing Textile Products
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Key words	Textiles; testing; laboratory; sample; results
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