

# SKSTEX32 - SQA Unit Code H9F0 04

## Prove colour recipes for bulk production



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### Overview

This standard is for those who prove the recipe ready for bulk production and includes selecting suitable dyestuffs and auxiliaries, producing a pre-bulk colour sample and testing the formulation against customer requirements.

The job role may involve:

1. Scaling up quantities accurately
2. Making adjustments to the formulation
3. Establishing quality requirements
4. Contributing to production specifications
5. Producing the pre-bulk colour sample

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#### Performance criteria

- You must be able to:*
- P1 receive work instructions and specifications and interpret them accurately
  - P2 select suitable processing methods
  - P3 assess machine processing capabilities
  - P4 establish quality requirements
  - P5 assess the substrate and take remedial action if required
  - P6 select compatible dyestuffs and auxiliary materials
  - P7 scale up the quantities of materials accurately in the specified proportions
  - P8 assess the sample against specifications
  - P9 make the necessary adjustments to achieve shade
  - P10 confirm the formulation
  - P11 assess and select test methods
  - P12 ensure that bulk production conditions meet specification
  - P13 confirm that tests are complete and
  - P14 complete instructions for production accurately
  - P15 present results to customer and obtain customer approval
  - P16 scale up quantities accurately
  - P17 complete formulation records
  - P18 compile production specification from collated information
  - P19 incorporate operating procedures into the specification
  - P20 compile instructions which incorporate all relevant information
  - P21 incorporate relevant quality assurance procedures into the production specification
  - P22 complete and store accurate records and documentation

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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 how to make use of the information detailed in specifications and instructions
- K4 machine processing capabilities
- K5 condition of substrate and types of remedial action to be taken when necessary
- K6 sample preparation for visual and instrumental measurement and assessment
- K7 critical factors in selection of dyestuffs and auxiliary materials
- K8 colour matching methods and samples reaction to different light sources
- K9 how to scale up dyestuffs and auxiliary materials
- K10 procedures for evaluating samples
- K11 preparation of production instructions
- K12 types of tests available
- K13 testing procedures
- K14 importance of testing for fastness, shade and end use
- K15 how formulations are determined and costed
- K16 adjustments that can be made to achieve customer requirements
- K17 customer approval procedures
- K18 types of records
- K19 how to establish standard operating procedures for selected processes
- K20 quality assurance systems and procedures
- K21 capacities and capabilities of bulk production machinery
- K22 the importance of achieving quality and its relation to the end user/customer
- K23 safe working practices and organisational procedures
- K24 limits of your own responsibility
- K25 ways of resolving with problems within the work area
- K26 the production process and how your specific work activities relate to the whole process
- K27 the importance of effective communication with colleagues
- K28 the lines of communication, authority and reporting procedures
- K29 the organisation's rules, codes and guidelines (including timekeeping)
- K30 the companies quality standards
- K31 the types of records kept, how are they completed and the importance of keeping them accurate
- K32 the importance of complying with written instructions
- K33 equipment operating procedures / manufacturers' instructions

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K34 statutory responsibilities under Health, Safety and Environmental legislation and regulations

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<b>Developed by</b>	Creative Skillset
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<b>Date approved</b>	January 2013
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<b>Validity</b>	Current
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<b>Status</b>	Original
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<b>Originating organisation</b>	Creative Skillset
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<b>Original URN</b>	TEX32
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<b>Relevant occupations</b>	Manufacturing technologies; Crafts, creative arts and design; Design Associate Professionals; Textile and Garment Trades
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<b>Suite</b>	Manufacturing Textile Products
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<b>Key words</b>	Textiles; dyeing; printing; colour; recipes; production; dyestuffs
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