



Australian Government

Assessment Requirements for MSTTX3007 Prepare dyes for textile production

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTX3007B Prepare dyes for textile production

Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- applying relevant standards
- identifying textile characteristics
- establishing and confirming criteria for tests
- developing and planning tests and ensuring tests and sampling techniques are conducted against quality standards
- collating, analysing and interpreting tests to ensure colour matching and specifications are achieved
- applying dye formulas and specifications to ensure colour matching and specifications are achieved on at least two (2) occasions
- checking dye selection against original client specifications and requirements and workplace production requirements
- seeking approval of colour specification by originator or client before implementing bulk production run and recording process
- applying environmental requirements and procedures concerned with waste, pollution, storage and recycling of materials at all stages of the process.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- fibres, yarns and end products and their properties
- dyestuffs and classes
- chemistry of dyes and relationship with processing and fastness properties
- dye specification or recipe:
 - application properties
 - fastness properties
 - reproducibility
 - suitability for production

- application methods
- environmental and safety factors
- dyeing processes and dyeing machinery
- relation between dyeing machinery and selection of dyestuffs/classes
- sampling and testing techniques:
 - use of laboratory equipment, pad mangles, rota dryers, mini-jets and pilot production plants
 - tests applicable to the dyeing of textiles
- relevant Australian and international testing Standards
- application of dyes in laboratory and production process
- quality standards and practices
- workplace procedures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in preparing dyes for textile production, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>