Fill containers with liquid food and/or related products using multi-head automated filling equipment

Level 3
Credits 6

Purpose People credited with this unit standard are able to: use safe working practices; prepare to fill containers with liquid food and/or related products; and operate multi-head automated filling equipment.

Subfield Food and Related Products Processing
Domain Food and Related Product Container Filling
Status Registered
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Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Competenz (Food and Beverage)

Accreditation and Moderation Action Plan (AMAP) reference 0111
This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes


2 Definitions Organisational procedures refers to documents that include: worksite rules, codes, and practices; equipment operating instructions; production specifications; documented quality management systems; and health and safety requirements.
Containers may include but are not limited to: bottles, sachets, cans.
PPE refers to personal protective equipment and may include but is not limited to: protective clothing, gloves, safety glasses, headwear, footwear, hearing protection, safety devices.

3 Competence is to be demonstrated on at least three occasions of container filling.

Elements and performance criteria

Element 1
Use safe working practices.

Performance criteria

1.1 PPE is used in accordance with organisational procedures.

1.2 Work environment is clean and free from hazards in accordance with organisational procedures.

Range hazards to – personnel, product, plant.

1.3 Documentation is referred to and/or completed in accordance with organisational procedures.

Element 2
Prepare to fill containers with liquid food and/or related products.

Performance criteria

2.1 Preparation for filling containers with liquid food and/or related products is in accordance with organisational procedures.

Range equipment, supply of product, containers.

2.2 Multi-head automated filling equipment, filling heads, and lines are in accordance with organisational procedures.

Range set up, operational.

2.3 Services for equipment are connected and available in accordance with organisational procedures.

Range may include but is not limited to – water, air, electrical power, gas, oil.

2.4 Preparation of equipment is in accordance with organisational procedures.

Range may include but is not limited to – pre-production testing, product specifications, quality checks.
2.5 Product wastage due to set-up of equipment is minimised in accordance with organisational procedures.

2.6 Coding system to be applied to containers is in accordance with organisational procedures.

Range may include but is not limited to – date, product code, bar code.

Element 3

Operate multi-head automated filling equipment.

Performance criteria

3.1 Operation of equipment is in accordance with organisational procedures.

Range may include but is not limited to quality and/or quantity of – containers, product, presentation, coding.

3.2 Product wastage due to operation of equipment is minimised in accordance with organisational procedures.

3.3 Where possible, problems in process are identified, and solutions implemented or recommended that optimise output and minimise wastage, in accordance with organisational procedures.

Range problems may include but are not limited to – safety, equipment, non-conforming product; solutions may include but are not limited to – notify maintenance need, replace product/equipment, repair fault, rework product.

3.4 Equipment is shut down and cleaned in accordance with organisational procedures.

Please note

Providers must be accredited by the Qualifications Authority, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.
Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.