

## Overview

This standard is about the principles of weights and measures in food technology. This standard is for you if you are involved in the control of weighing operations. It is about understanding how weights and measures impact on production performance, product quality and legal requirements. It involves being able to acquire data, analyse data and effectively communicate the results to others.

This standard applies to you if you are a technician, manager or consultant who has responsibility for maintaining the accuracy and effectiveness of weighing operations within a food and drink business.

### Performance criteria

You must be able to:      See  
IMPCB101S Select, weigh and measure bakery ingredients  
IMPPO206S Control weighing in food manufacture

## Knowledge and understanding

You need to know and understand:

- 1 the purpose of weights and measures in the food and drink sector
- 2 the units of weights and measures commonly used in food technology
- 3 the legal or regulatory requirements that control how food is sold by weight, number and measure, including the implications associated with inaccuracy
- 4 how legal and regulatory requirements are monitored and enforced
- 5 the facilities and equipment required to weigh and measure food and drink
- 6 the manner of marking weights and measures and the permitted symbols and abbreviations
- 7 the processes, facilities and equipment that are required to weigh/measure food
- 8 how to interpret process specifications to weighing/measuring data
- 9 why weighing/measuring devices and processes must be calibrated
- 10 how to check the calibration of weighing/measuring devices
- 11 how weighing devices can become inaccurate and develop errors
- 12 the organisation and control of weighing/measuring processes
- 13 the risks associated with inaccurate weighing
- 14 common quality problems associated with the weighing/measuring
- 15 the quality assurance processes that are needed to support weighing/measuring
- 16 the recording and reporting systems that are needed to support weighing/measuring processes

## Principles of weights and measures in food technology

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