



Australian Government

Assessment Requirements for AMPA404 Conduct and validate pH and temperature declines to MSA standards

Release: 1

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Modification History

Release	TP Version	Comment
1	AMPv1.0	Initial release

Performance Evidence

Evidence must demonstrate the candidate's consistency of performance over time at production speed.

The candidate must conduct and validate pH and temperature declines to MSA standards.

The candidate must:

- collect information on live animals for use in pH and temperature monitoring
- conduct monthly and weekly monitoring of the pH and temperature window
- observe, time and follow carcasses through the slaughter floor recording the following:
 - carcass information
 - chiller number
 - immobiliser information (if applicable)
 - rigidity probe information (if applicable)
 - stimulation information (if applicable)
 - time entering the chiller
 - time stunned
- analyse results to verify conformance
- apply relevant communication and mathematical skills
- generate individual and lot average graphs to show pH and temperature window conformance
- identify and apply relevant workplace health and safety, regulatory and workplace requirements
- maintain currency of knowledge through professional development or self-directed research
- operate and calibrate pH and temperature readings
- suggest corrective action procedures

Knowledge Evidence

The candidate must demonstrate a broad factual, technical and theoretical knowledge of:

- the scope and nature of MSA standards
- impact of electrical stimulation on pH decline
- impact of chilling factors on pH and temperature decline
- how the time it takes a carcass to reach the chiller can impact on the rate of pH decline
- pH and temperature window
- how cold shortening occurs and characteristics of cold shortened product
- how heat shortening occurs and characteristics of heat shortened product
- how other electrical inputs can impact the rate of pH decline
- the impact of slaughter floor temperature on rate of pH and temperature decline
- glycogen and the relationship between stress and pH
- what pH is and its importance for eating quality

Assessment Conditions

Competency must be demonstrated over time and under typical operating and production conditions for the enterprise.

The application of competency is to be assessed in the workplace. Assessment is to occur under standard and authorised work practices, safety requirements and regulatory requirements.

A minimum of three forms of assessment must be used.

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5e2e56b7-698f-4822-84bb-25adbb8443a7>