



Australian Government

Assessment Requirements for AMPREN305 Operate a blood coagulation and drying process

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AMP Australian Meat Processing Training Package Version 7.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has safely set up, operated, monitored and shut down two separate blood coagulation and drying processes to convert raw materials into blood meal products according to specific work orders.

For each process, there must be evidence that the individual has:

- confirmed the product quantity and quality requirements
- identified at least three food safety hazards, assessed and controlled risk using HACCP techniques and workplace health and safety requirements
- identified at least three safety hazards, assessed and controlled risk using workplace health and safety procedures
- selected and correctly fitted appropriate personal protective equipment and clothing required for worker safety and food contamination control
- conducted preoperational check of machinery and equipment including access to emergency stops and isolation controls in work area
- set up and calibrated blood coagulation and drying equipment including temperature and duration
- completed cleaning of blood coagulation and drying equipment according to hygienic requirements
- identified and taken corrective action for two of the following:
 - flow of coagulated blood
 - dryer discharge temperature
 - colour of stick water
 - spills
 - contamination
- monitored environmental emissions according to workplace and Environmental Protection Agency (EPA) requirements, including odour control and one of the following:
 - waste water

- heat recovery
- noise
- heat
- completed written production records using accurate industry terminology
- provided a verbal briefing during handover process to team member.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- purpose and steps related to rendering process and function of blood coagulation and drying process, from blood collection to load out of blood meal
- workplace health and safety requirements associated with the operation of a blood coagulation and drying process
- workplace procedures for safe movement of workers and visitors in and around blood coagulation and drying process machinery and equipment
- key features of HACCP principles related to blood coagulation and drying processes
- key features of workplace procedures for the operation of a blood coagulation and drying process including:
 - agents which affect quality of raw blood in the holding tank
 - blood processing operations Critical Control Points
 - qualities of raw materials and final product
 - application of preservatives to aged blood
 - equipment cleanliness requirements to meet food safety standards
 - workplace and end user blood meal specifications
- AS5008 Hygienic Rendering of Animal Products
- Australian Renderers Association's Code of Practice for Hygienic Rendering of Animal Products, including cleaning and sanitation of blood processing equipment
- WHS risks associated with handling and coagulating raw blood including hydrogen sulfide
- key features of regulatory requirements for Restricted Animal Material, including cross contamination
- workplace and EPA requirements for monitoring environmental emissions, including;
 - odour control
 - waste water
 - heat recovery
 - noise
- Quality Assurance (QA) program requirements for blood processing and coagulation, including:
 - labelling and traceability
 - cleaning equipment, with water and approved chemicals.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a blood processing plant or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - equipment for blood coagulation and drying processing tasks specified in the performance evidence
- specifications:
 - two blood coagulation and drying process work orders stipulated in the performance evidence
 - workplace procedures for a blood coagulation and drying process and operation of machinery and equipment stipulated in the performance evidence
 - workplace procedures for worker safety and contamination control
 - specific workplace documents such as workplace procedures and QA system
 - manufacturer operating instructions for blood coagulation and drying equipment.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=5e2e56b7-698f-4822-84bb-25adbb8443a7>