

○オーストラリア：食品規格基準法典を補完する寄生虫および微生物に関する規格基準

食品規格基準法典はオーストラリア・ニュージーランド共通の規格基準を規定していたが、これには食品中の微生物基準¹⁵⁵および食肉の要件¹⁵⁶は定められているものの、と畜検査や廃棄処分の要件に関する記載はなかった。そこで、各国の法令検索サイトを中心にキーワード検索を実施したところ、「Australian Standard for the Hygienic Production and Transportation of Meat and Meat Products for Human Consumption¹⁵⁷」および「Australian Standard for the Construction of Premises and Hygienic Production of Poultry Meat for Human Consumption¹⁵⁸」が抽出された。これらの規格は、オーストラリア・ニュージーランド食品規制閣僚会議（ANZFRMC）¹⁵⁹およびその下部組織である食品規制常任委員会（FRSC）が作成したもので、食品規格基準法典を補完する位置づけとなっている¹⁶⁰。

Australian Standard for the Hygienic Production and Transportation of Meat and Meat Products for Human Consumption は、オーストラリア国内のと畜場で扱われる動物（ウシ、バッファロー、ラクダ、ヤギ、シカ、ヒツジ、ブタ、その他単蹄類）に由来する食肉・食肉製品に適用されている規格基準であり、寄生虫および微生物に関する基準を示す。

Australian Standard for the Construction of Premises and Hygienic Production of Poultry Meat for Human Consumption はオーストラリア国内の食鳥処理場で扱われる食鳥に由来する食肉に関しては別途定められた規格基準であり、寄生虫および微生物に関する基準を示す。

¹⁵⁵ 第1章 General Food Standards --- Standard 1.6.1 Microbiological Limits for Food

¹⁵⁶ 第2章 Food Product Standards --- Standard 2.2.1 Meat and Meat Products

¹⁵⁷ CISRO Publishing, FRSC Technical Report No.3, AS 4946:2007, Schedule 3 Ante-mortem and post-mortem dispositions, p59
<http://www.publish.csiro.au/Books/download.cfm?ID=5553>

¹⁵⁸ CISRO Publishing, FRSC Technical Report No.1, AS 4465:2005, Appendix B, Disease and conditions of poultry and their disposition, p43
<http://www.publish.csiro.au/Books/download.cfm?ID=5203>

¹⁵⁹ ANZFRMC はオーストラリアすべての州の保健相（ニューサウスウェールズ（NSW）州のみ第1次産業相）のほか、ニュージーランド政府大臣、その他関連大臣で構成され、オーストラリアの保健・高齢化相が議長を務める。ANZFRMC は利害関係者の意見を取り入れつつ、科学的なリスク・アセスメントに基づく食品政策枠組みの確立が必要であるとされたブレア・レビューを踏まえ2000年に設置された。なお、FSANZ は ANZFC が決定した食品規制に関する基本方針を受け、具体的な食品安全に関する基準を作成する（平成17年度食品規制実態調査 オーストラリアにおける食の安全性確保の取り組み（日本貿易振興機構（ジェトロ）
http://www.jetro.go.jp/jfile/report/05001086/05001086_001_BUP_0.pdf）。

¹⁶⁰ CSIRO Publishing <http://www.publish.csiro.au/nid/22/pid/5203.htm> <http://www.publish.csiro.au/nid/22/pid/5203.htm>

2 Aetiological listing	
2.1 Bacterial and related diseases	
Actinomycosis and actinobacillosis: <ul style="list-style-type: none"> Localised in head Evidence of generalisation such as lesions in lungs or other viscera, or other signs such as extreme loss of condition 	Head and tongue condemned. Carcase and all its carcase parts condemned.
Anaplasmosis and babesiosis: <ul style="list-style-type: none"> Acute with intense jaundice and other signs of systemic involvement including fever, liver enlargement and kidney congestion Sub-acute with mild jaundice that dissipates within 24 hours of slaughter 	Carcase and all its carcase parts condemned. Carcase parts condemned.
Anthrax	Affected animals should not be admitted to an abattoir. When detected at ante-mortem, affected animal condemned. Companion animals isolated and withheld from slaughter. When detected at post-mortem, affected carcase and all its parts condemned.
Blackleg	Carcase and all its carcase parts condemned.
Botryomycosis: <ul style="list-style-type: none"> Severe cases with evidence of systemic effects such as cachexia Less severe cases 	Carcase and all its carcase parts condemned. Affected carcase parts condemned.
Botulism	Carcase and all its carcase parts condemned.
Caseous lymphadenitis: <ul style="list-style-type: none"> Generalised involvement in carcase and viscera with evidence of systemic effects such as cachexia Less extensive forms of the disease 	Carcase and all its carcase parts condemned. Affected organs or carcase parts condemned.
Corynebacterial infections in submaxillary and cervical lymph nodes in pigs	Affected nodes condemned.
Enterotoxaemia	Carcase and all its carcase parts condemned.
Eperythrozoonosis: <ul style="list-style-type: none"> Acute with intense jaundice and other signs of systemic involvement including fever, liver enlargement and kidney congestion Sub-acute with mild jaundice that dissipates within 24 hours of slaughter 	Carcase and all its carcase parts condemned. Carcase parts condemned.
Foot rot: <ul style="list-style-type: none"> Acute with secondary infection of organs or extreme loss of condition Chronic with encapsulated abscess in liver or lungs 	Carcase and all its carcase parts condemned. Affected organs condemned.

Infectious ovine epididymitis (<i>B. ovis</i>)	Affected testicles condemned.
Johne's disease	Intestines and mesentery condemned.
Leptospirosis: <ul style="list-style-type: none"> • Acute • Chronic, localised 	Carcase and all its carcase parts condemned. Affected kidneys condemned.
Listeriosis	Carcase and all its carcase parts condemned.
Malignant oedema	Carcase and all its carcase parts condemned.
Melioidosis	Carcase and all its carcase parts condemned.
Necrobacillosis: <ul style="list-style-type: none"> • Acute with lesions in a number of sites or evidence of systemic involvement • Localised lesion in liver or other organ 	Carcase and all its carcase parts condemned. Affected liver or organ condemned.
Purpura haemorrhagica	Affected carcase parts condemned.
Salmonellosis	Carcase and all its carcase parts condemned.
Strangles	Affected carcase parts condemned.
Swine erysipelas: <ul style="list-style-type: none"> • Acute • Localised arthritis or endocarditis without signs of systemic effects • Cutaneous lesions 	Carcase and all its carcase parts condemned. Affected joint and associated lymph node condemned; when affected, heart condemned. Affected areas of skin condemned.
Tuberculosis:	
In cattle and buffalo: <ul style="list-style-type: none"> • Generalised with evidence of systemic involvement; more than one organ affected; miliary lesions in any organ; evidence of active infection or extensive infection of peritoneum or pleura. • Localised infection 	Carcase and all its carcase parts condemned. Affected carcase part, including drained part, condemned; or affected organ condemned.
In pigs: <ul style="list-style-type: none"> • Generalised • Localised in submaxillary or mesenteric lymph nodes (avian type) 	Carcase and all its carcase parts condemned. Affected carcase part condemned.
In horses and deer	Carcase and all its carcase parts condemned.
White scours, omphalophlebitis, polyarthritis and other septicaemic conditions of newborn animals	Carcase and all its carcase parts condemned.

2.2 Parasitic conditions	
<p><i>Cysticercus bovis</i>:</p> <ul style="list-style-type: none"> • General infestation • Light infestation, small number of degenerated cysticerci 	<p>Carcase and all its carcase parts condemned.</p> <p>Affected viscera condemned. Cysts and surrounding tissue trimmed from carcase and condemned. Remainder of carcase and parts passed conditionally fit for human consumption subject to treatment by freezing (no warmer than -12°C deep muscle temperature for not less than 10 days in carcasses and 20 days in boned meat).</p>
<p><i>Cysticercus cellulosae</i>:</p> <ul style="list-style-type: none"> • General infestation • Light infestation, small number of degenerated cysticerci 	<p>Carcase and all its carcase parts condemned.</p> <p>Affected viscera condemned. Cysts and surrounding tissue trimmed from carcase and condemned. Remainder of carcase and parts passed conditionally fit for human consumption subject to treatment by freezing (no warmer than -12°C deep muscle temperature for not less than five days in carcasses or boned meat).</p>
<p><i>Cysticercus ovis</i>:</p> <ul style="list-style-type: none"> • General infestation (more than five cysts found in musculature) • Light infestation, small number of degenerated cysticerci 	<p>Carcase and all its carcase parts condemned.</p> <p>Affected viscera condemned. Cysts and surrounding tissue trimmed from carcase and condemned.</p>
<i>Cysticercus tenuicollis</i>	Cysts and affected serous membranes trimmed from carcase or carcase part and condemned.
Echinococcosis	Affected organs condemned.
Myiasis	Animal condemned in severe cases with sepsis or necrosis. Otherwise withhold from slaughter for treatment and resubmit for ante-mortem after recovery.
<i>Oestrus ovis</i> infestation in sheep	Infestation removed or affected parts condemned.
Onchocerciasis	Lesions and affected tissues trimmed from carcase and condemned.
Pulmonary and gastrointestinal strongylosis	Affected organs condemned (in case of lungs [1]).
Sparganosis:	
<ul style="list-style-type: none"> • General infestation • Light infestation 	<p>Carcase and all its carcase parts condemned.</p> <p>Tissue trimmed from carcase and condemned. Remainder of carcase and parts passed conditionally fit for human consumption subject to treatment by freezing (no warmer than -12°C deep muscle temperature for not less than five days in carcasses or boned meat).</p>
<i>Stephanurus dentatus</i>	Affected carcase parts condemned.

2.3 Protozoan diseases	
Coccidiosis	Affected intestines condemned.
Sarcosporidiosis	<i>Affected carcase parts condemned.</i>
2.4 Viral diseases	
Bovine leucosis: <ul style="list-style-type: none"> ▪ Multiple lesions or lesions in multiple organs ▪ Localised lesion (e.g. mesentery) 	<p>Carcase and all its carcase parts condemned.</p> <p>Affected gastrointestinal tract or other organs condemned.</p>
Bovine para-influenza	Affected lungs condemned.
Bovine virus diarrhoea/mucosal disease: <ul style="list-style-type: none"> ▪ Acute infection with evidence of systemic involvement ▪ Chronic infection with lesions localised to alimentary tract 	<p>Carcase and all its carcase parts condemned.</p> <p>Affected intestines condemned.</p>
Ephemeral fever	Animals withheld from slaughter for treatment. Resubmitted for ante-mortem after recovery.
2.5 Fungal diseases	
Aflatoxicosis: <ul style="list-style-type: none"> ▪ Acute with generalised signs including jaundice, swelling of liver, ascites and mesenteric oedema ▪ Sub-acute 	<p>Carcase and all its carcase parts condemned.</p> <p>Affected liver and kidneys condemned.</p>
Epizootic lymphangitis	Affected skin and related tissues condemned. Any affected organs condemned.

Primary observation	Secondary observation	Tertiary observation	Disease/Condition	Disposition	Significance at observation on (risk category)*
Abnormal colouring	Bluish-reddish brown		- Acute illness	Condemn carcass as unfit for human consumption.	Major
	Greenish-yellow	Slight	- Faecal staining - Bile staining	Trim affected area, condemn trimmings and pass remainder as fit for human consumption.	Major
		Extensive	- Faecal staining - Bile staining	Condemn carcass as unfit for human consumption.	Critical
	Red birds		- Improper bleeding - Toxaemia - Septicaemia	Condemn carcass as unfit for human consumption.	Critical
	Yellow-orange		- Liver condition	Condemn carcass as unfit for human consumption.	Major
Abscess	Soft pus	No systemic involvement	- Infection	Trim affected area, condemn trimmings and pass remainder as fit for human consumption.	Critical
	Soft pus	Systemic involvement	- Infection	Condemn carcass as unfit for human consumption.	Critical
	Multiple Abscess	Soft pus	- Infection	Condemn carcass and parts as unfit for human consumption.	Critical
Arthritis	Infection of joint	Pus in joint	- Infection	Condemn limb as unfit for human consumption.	Critical
Ascites	Fluid in the abdominal cavity		- Tumours - Egg peritonitis - Organ malfunction	Condemn carcass as unfit for human consumption.	Critical
Breast blisters	Watery fluid filled	No systemic involvement	- Trauma	Trim affected area, condemn trimmings and pass remainder as fit for human consumption.	Major
	Fibrotic	No systemic involvement	- Trauma	Trim affected area, condemn trimmings and pass remainder as fit for human consumption.	Major
Primary observation	Secondary observation	Tertiary observation	Disease/Condition	Disposition	Significance at observation on (risk category)*
Bruising	Slight >2 cm dia	No systemic involvement	- Trauma	Trim affected area (trimmings may be used for pet food) and pass remainder as fit for human consumption.	Major
	Extensive (whole carcass)	No systemic involvement	- Trauma	Condemn carcass as unfit for human consumption.	Major
Cirrhosis of liver			- Past infection - Toxic feed	Condemn organs as unfit for human consumption.	Major
Contamination	Minor	Whole birds	- Dropped birds - Minor intestinal spillage	Clean and sanitise whole birds. Save for human consumption.	Critical
	Minor	Meat pieces	- Dropped meat	Trim affected pieces, condemn trimmings and save remainder for human consumption.	Critical
	Major	Internal surfaces	- Improper evisceration	Clean and sanitise whole birds and save for human consumption.	Critical
Emaciation	Poorly fleshed	Wasted thigh and breast muscles	- Malnutrition - Leucosis	Save only for pet food.	Major
Fibrinous deposits	jelly like film on heart and/or liver		- <i>E. coli</i> - CRD - Toxaemia - Septicaemia	Condemn organs as unfit for human consumption.	Critical
	Extensive lesions		- Toxaemia - Septicaemia	Condemn carcass as unfit for human consumption.	Critical

Primary observation	Secondary observation	Tertiary observation	Disease/Condition	Disposition	Significance at observation on (risk category)*
Haemorrhages	Blood spots	Localised to visceral organs, body or legs	- Trauma	Condemn affected organs or trim carcass parts and condemn trimmings as unfit for human consumption, and pass remainder as fit for human consumption.	Major
	Extensive		- Toxaemia - Septicaemia	Condemn carcass as unfit for human consumption.	Critical
Parasites	Heart or liver affected		- Roundworms	Condemn organs as unfit for human consumption.	Major
Peritonitis	Pus in abdominal cavity		- Infection	Condemn carcass and organs as unfit human consumption.	Critical
Septicaemia	Systemic involvement		- Infection	Condemn carcass as unfit for human consumption.	Critical
Skin Tear	No systemic involvement		- Processing fault	Pass for human consumption.	Minor
Tumours/nodules	Localised		- Marek's disease - Leucosis - Various	Trim affected part, condemn trimmings and pass remainder for human consumption.	Major
	Multiple		- Marek's disease - Leucosis - Various	Condemn carcass as unfit for human consumption.	Critical
Wounds	Slight abrasions	No systemic involvement	- Trauma	Pass for human consumption.	Minor
	Localised injury	No systemic involvement	- Trauma	Trim affected part, condemn trimmings and pass remainder for human consumption.	Major
	Systemic involvement		- Bacteraemia	Condemn carcass as unfit for human consumption.	Critical

