



Compositional Guideline for Black boned chicken powder

Name of the ingredient

Dried powder derived from *Gallus gallus domesticus* Brisson (ABN), commonly known as black boned chicken

Definition of the ingredient

The feathers, head, legs, claws and visceral organs are removed and the remaining part, which includes meat, skin and bones, is cooked in yellow rice wine, dried at 70°C, and then ground to fine powder.

Specific condition

The black boned chickens used in manufacturing must have veterinary certificate indicating the black boned chickens are obtained from healthy flocks and are suitable for human consumption.

Table 1. Ingredient specific requirements

Test	Method reference	Acceptance criteria
Description		
Appearance	Visual	Brown black colour
Odour	Organoleptic	Fresh chicken smell
Characteristics		
Loss on drying	Determination of loss by drying (PPRC 1992 Appendix 9.2)	≤ 5%
Identification		
	Not specified – appropriately validated identification test should be used	
Assay		
Protein	Not specified – appropriately validated method should be used	≥ 50%

Table 2. Incidental constituents

Test	Method reference	Acceptance criteria
Incidental metals and non-metals		
Total heavy metals	USP	≤ 10 ppp*
Arsenic	USP	≤ 5 ppm*
Pesticide residues and environmental contaminants:		
Antibiotic residue	Food Standards Code in relation to chicken and poultry meat	Complies with the maximum residue limits
Microbiology		
Total aerobic microbial count	BP	≤ 10 ⁴ per g
Yeast and mould	AGRD2	≤ 10 ² per g
Enterobacteria	AGRD2	≤ 10 ² per g
<i>E. coli</i>	AGRDs	None in 1 g
Salmonella	AGRD2	None in 10 g
<i>S. aureus</i> (as coagulase positive <i>Staphylococci</i>)		≤ 100 per g
Microbiology	While specifications for this substance include limits for objectionable microorganisms, it is the product into which the substance is formulated that is subject to a legally binding set of criteria. The <i>Therapeutic Goods Order No. 77 'Microbiological Standards for Medicines'</i> mandates that any finished product which contains the ingredient, alone or in combination, must comply with the microbial acceptance criteria set by Clause 9 of the Order.	
Notes: * These specifications are expressed with respect to the mass of the substance before cooking or after reconstitution to a moisture content equivalent to that of the fresh black boned chicken material.		

Key to abbreviations: -

AGRD2 = Australian Guidelines for the Registration of Drugs, Volume 2

BP = British Pharmacopoeia

PPRC = Pharmacopoeia of the People Republic of China

USP = United States Pharmacopoeia