

Food-Grade Bovine Skin Gelatin

220 Bloom · 6 Mesh · Type B (limed hide)

Premium food-grade gelatin extracted from bovine hide by the alkaline (Type B) process. A high-clarity, neutral-tasting gelling and stabilising agent for confectionery, dairy, and supplement applications. Manufactured by Tianran Biotech (U) Ltd (Jinja, Uganda) and distributed in the United States by Magnus InterGlobe, with domestic warehousing and lot-traceable documentation.

1 · PRODUCT IDENTIFICATION

Product name	Bovine Skin Gelatin, Food Grade	Grade	220 Bloom · 6 mesh
Gelatin type	Type B (alkaline / limed)	Raw material	Bovine hide (single species)
CAS No.	9000-70-8	EINECS No.	232-554-6
Country of origin	Uganda	HS / HTS code	To be confirmed
Manufacturer	Tianran Biotech (U) Ltd, Jinja	US distributor	Magnus InterGlobe

2 · PHYSICAL & SENSORY CHARACTERISTICS

PARAMETER	UNIT	SPECIFICATION	TYPICAL	METHOD
Gel strength (6.67%, 10 °C)	Bloom g	220 – 240	230	GB 6783
Viscosity (6.67%, 60 °C)	mPa·s	2.5 – 3.5	3.1	GB 6783
pH (1% solution)	—	4.5 – 7.0	5.7	GB 6783
Moisture	%	≤ 12.0	10.0	GB 6783
Ash	%	≤ 2.0	0.2	GB 6783
Transparency	mm	≥ 300	500	GB 6783
Insoluble matter	%	≤ 0.2	0.01	GB 6783
Particle size	mesh	6 (per contract)	6	Sieve
Colour	—	Light yellow	Light yellow	Visual
Odour & taste	—	Neutral, characteristic	Conforms	Sensory

3 · CHEMICAL & HEAVY-METAL LIMITS

PARAMETER	UNIT	SPECIFICATION	TYPICAL	METHOD
Sulfur dioxide (SO ₂)	mg/kg	≤ 30	15	GB 6783
Hydrogen peroxide (H ₂ O ₂)	mg/kg	≤ 10	≤ 10	GB 6783
Total heavy metals (as Pb)	mg/kg	≤ 40	≤ 40	GB 6783
Total arsenic (As)	mg/kg	≤ 0.8	≤ 0.8	GB 6783
Chromium (Cr)	mg/kg	≤ 2.0	≤ 2.0	GB 6783
Lead (Pb)	mg/kg	≤ 0.1	≤ 0.1	GB 6783

4 · MICROBIOLOGICAL LIMITS

PARAMETER	UNIT	SPECIFICATION	TYPICAL	METHOD
Total plate count	CFU/g	≤ 1000	≤ 1000	GB 6783
Coliforms	MPN/g	≤ 10	≤ 10	GB 6783
Yeast & mould	CFU/g	≤ 50	≤ 50	GB 6783
Salmonella	/ 25 g	Negative	Negative	GB 6783
Escherichia coli	/ 10 g	Negative	Negative	GB 6783
Staphylococcus aureus	/ 10 g	Negative	Negative	GB 6783
Listeria monocytogenes	/ 750 g	Negative	Negative	GB 6783

5 · STANDARDS, REGULATORY & CERTIFICATION

Conformance & regulatory ■ Conforms to GB 6783-2013 (edible gelatin) and US 2127:2019 (food-grade gelatin) ■ US FDA food-facility registered — Reg. 10061730108, category 21 CFR 170.3(n) (22) ■ Suitable for use under FDA GRAS practice for gelatin in food ■ Manufactured under HACCP / food-safety management controls	Certifications held (site level) ■ FSSC 22000 v6 — Bureau Veritas KE004238-1 ■ ISO 9001:2015 — Bureau Veritas KE003666 ■ ISO 22716:2007 GMP — Bureau Veritas KE001/26 ■ NDA Uganda drug-mfg licence — NDA/PRE/PM/0022 ■ Halal — KBHC No. 13862 ■ Kosher — available on request
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6 · HANDLING, PACKAGING & APPLICATIONS

Appearance	Light-yellow granule / powder	Solubility	Dissolves in water 50–60 °C
Storage	Cool, dry, <25 °C, ≤60% RH	Shelf life	To be confirmed
Packaging	LDPE bags · net weight TBC	Applications	Gummies, capsules, dairy desserts, supplements

Source & safety declaration. Manufactured from hides of healthy bovine animals fit for human consumption, sourced from free-range, grass-fed Ugandan cattle. **BSE/TSE-free** — raw materials are not derived from specified risk materials. **Non-GMO** and free of the major allergens listed under the US FALCPA. This product is single-species **bovine only**; Halal integrity is assured under KBHC certification No. 13862.

Document no.	MIG-TDS-BSG-220-6M	Revision	01
Issue date	2026-06-09	Supersedes	— (first issue)
Reference standard	GB 6783-2013 · US 2127:2019	Data source	CoA Batch 20260404

Disclaimer. The specification limits above define the product supplied. "Typical" values are nominal results from a representative production lot and are provided for guidance only; they are not guaranteed for every lot. Each shipment is accompanied by a lot-specific Certificate of Analysis, which governs. This data sheet does not constitute a warranty of fitness for a particular purpose; the user is responsible for determining suitability for their application and for compliance with applicable local regulations. Information is believed accurate at the issue date and is subject to revision without notice.