

Cat Litter Procurement Specification & COA Checklist

A B2B quick-reference for importers and private-label brand owners. Use alongside the full guide:
jinansilkpet.com/blog/cat-litter-coa-guide/

1. Key Specifications by Material

Material	Clumping	Dust	Absorption / Odor	Bulk Density (g/cm³)	Typical MOQ / Load
Tofu	≤5s	≤0.05%	Water absorption 400–500%; odor control 1–2 weeks	0.75–1.00	18 T (1×20' FCL)
Cassava	≤4s	≤0.05%	Water absorption 250–350% (positioned)	0.60–0.65	18 T (1×20' FCL)
Bentonite (own mine)	≤3s	≤0.1%	Water absorption 80–120%; clump fracture ≥4 kg	0.85–1.05	26 T (1×20' FCL)
Silica Gel Crystal	Non-clumping	≤0.05%	2–4 weeks per bag; adsorption 40–80%	0.40–0.50	38 T (1×40' FCL)
Mixed Blend	Custom (≤5s target)	≤0.05%	Custom formula; odor per formula	Varies	18 T (1×20' FCL)
Health Monitoring	Fast result	≤0.05%	pH alert + color change; early urinary screening	Varies	18 T (1×20' FCL)

Values are published factory targets verified by batch COA. Actual values depend on formula, packaging, and destination-market specifications.

2. The 8 COA Indicators at a Glance

#	Indicator	Common Detection Method	Procurement Reference	What It Tells You
1	Moisture Content	105°C oven-dry	Bentonite ≤5%; Tofu ≤8%; Cassava 4–8%	Mold risk, clump hardness, dust
2	Dust Content	Vibration sieving + drop-height	Bentonite 200-mesh ≤1%; Tofu ≤0.05%	Returns, respiratory concerns, tracking
3	Particle Size Distribution	Multi-level sieving	D10 / D50 / D90 curve, not averages	Auto-box compatibility, tracking
4	Bulk Density	Weight / volume	0.40–1.05 g/cm³ by material	Container load, landed cost
5	Clumping Speed	Stopwatch, 20 ml water (25°C)	Bentonite ≤3s; Tofu ≤5s; Blended ≤5s	User experience, ammonia control
6	Clump Hardness	30 cm drop + pressure test	Bentonite fracture ≥4 kg; Tofu ≥30 N	Clump shattering during scooping
7	Water Absorption	Immersion / titration	Tofu 400–500%; Cassava 250–350%	Bag longevity per cat
8	Microbiological & Chemical Safety	ISO 9001 / 16649 / 6579; GB/EU/US	E. coli: 0 CFU/g; Salmonella: 0/25g; aflatoxin B1: 0.1 µg/kg	Compliance, food safety

3. Before You Sign — 7-Point Verification

#	Check	Why
1	Product name & model match the contract exactly	One letter off = different product
2	Batch number & production date match the sampled batch	Batch-A COA for Batch-B is the #1 fraud
3	Packaging spec on COA matches actual shipment	6 kg vs 10 kg changes your unit economics
4	Testing lab holds CNAS / ilac-MRA accreditation	Verifiable report number on CNAS website
5	Sieving curve (D10/D50/D90) included for particle size	Averages alone hide fines problems
6	Aflatoxin B1 tested for plant-based litters	Non-negotiable for tofu/cassava
7	Destination-port third-party testing clause in contract	Settlement basis if values deviate >20%