

Uniform Compliance & Testing Checklist

Cut & Sew Uniform Manufacturing — Preproduction & Bulk QC Gates — Lantaowork.com

Purpose

This 6-gate checklist turns the preproduction and bulk QC workflow into a printable field sheet. Complete it gate by gate — each gate must pass before the next starts. Mark PASS or FAIL on every row and sign before bulk approval.

When to use this: From spec sign-off through final verification, for schoolwear, workwear, and corporate uniform programs. Gate approvals against documented evidence, not verbal assurance.

Gate 1 — Spec Package

- ☐ **Full tech pack:** CAD flats, BOM, Pantone references, and thread-match targets documented.
- ☐ **Point-of-measure table:** All graded sizes listed with woven vs knit tolerance bands.
- ☐ **Tolerances:** ± 0.25 in woven body widths, ± 0.5 in knit ribs, ± 0.125 in tight woven pockets.
- ☐ **Construction notes:** 10–12 SPI main seams, 12–14 SPI stress points, 3-step zigzag bar-tacks at pocket corners, belt loops, fly extensions.
- ☐ **Shrinkage allowance** and wash expectations written into the spec, not an email.

Red Flags: "Reinforce as needed" instead of exact SPI. No tolerance table. Tech pack owner has not signed each table.

Gate 2 — Bulk Fabric

☐ **MOQ confirmed:** Fabric MOQ vs garment MOQ aligned — no forced stock-fabric compromise.

☐ **Lab dips approved** against the exact bulk dye lot, not a proxy or shade card.

WASH TARGET	ACCEPTANCE
Woven twill length shrinkage	2–3%
Jersey length shrinkage	≤5%
Stable woven shells, industrial laundering	≤2%

☐ **Shade approval:** Roll-to-roll shade checked; bulk approved to the lab dip.

☐ **Trim compatibility:** Zipper, elastic, and thread tested under the intended wash.

☐ **Compliance:** Skin-contact — OEKO-TEX / CPSIA; FR/hi-vis — NFPA 2112 / ANSI-ISEA 107; REACH for EU.

Red Flags: Bulk approved from mill shade cards. No wash test. Trim untested. Shade mismatch between rolls.

Gate 3 — Full Size Set

☐ **Base size and grade rules** locked; wearer group confirmed.

☐ **Full size set built:** XS–3XL for adults, or the full youth curve for schools.

☐ **Wearer profiles tested** — students, field staff, hospitality, office — not just one body.

☐ **Measurements checked** against the tolerance table; 0.5-in chest drift on XL is a red flag.

☐ **Corrections documented** on the size-set form before PP sample approval.

Red Flags: Only S and L sampled. Grade rule adds length but not width. Medium approved, edge sizes unverified.

Gate 4 — Cutting Room

☐ **Incoming rolls inspected:** width changes, shade bands, and weaving defects rejected at receiving.

☐ **Fabric relaxed** 8–12 hours before cutting.

☐ **Marker plans** carry shrinkage allowances; grainline arrows checked on every piece.

☐ **Cut by lot and shade:** one dye lot per lay.

☐ **Bundles tagged** with size, lot, and bundle number immediately.

Red Flags: No relaxation time. Grainline sacrificed for yield. Mixed lots in one lay. Loose bundles.

Gate 5 — Construction & Branding

- ☐ **Operator sequence** written per component; seams split into separate stations.
- ☐ **Seam type locked:** flat-felled legs, lockstitch plackets, safety stitch crotch, flatlock knit collars.
- ☐ **First-piece approved** from the actual production line, not the sample room.
- ☐ **In-line checks:** one garment pulled every 50 pieces, at the station.
- ☐ **Logo placement measured:** left-chest 7–8 cm down from shoulder seam, 10–12 cm in from center front.

Red Flags: One operator sews the whole garment. Logo "aligned with the stripe." Embroidery backing pulls the side seam.

Gate 6 — Final Verification

- ☐ **Measurement audit:** every point re-measured against the Step 1 tolerance table.
- ☐ **AQL sampling:** 2.5 major / 4.0 minor; zero tolerance on critical defects (broken needles, unsafe closures).
- ☐ **Seam pull:** side seams 15 lbs / 10 s; crotch seams 25 lbs — reject thread or fabric failure.
- ☐ **Wash & dimensional:** home wash 40°C + industrial wash 60°C; ≤2% length change on stable woven shells.
- ☐ **Needle detection:** finished-garment scan; any alarm isolates and rescans the bundle.
- ☐ **Carton & kitting:** polybag label matches size, wearer name, and destination.

Red Flags: Measurement outside tolerance. Broken needle unaccounted. Carton count shipped instead of carton destination.

Final Verdict



APPROVE

All 6 gates pass with signed evidence



PROCEED WITH CAUTION

1–2 minor items to close before bulk



REJECT

Any red flag or critical defect

Approved by: _____

Date: _____

Final Check: Every claim must survive a written contract. Rush orders skip gates and fail later — approve the exact bulk dye lot and full size set before cut.