

Final Audit Report (AQL 2.5)

Pre-shipment inspection
Report ID: FA-2026-0418-01

1. Order & Audit

Buyer	Northbridge Apparel Co.
Factory	Acmeworld Garments Ltd.
PO Number	NBA-2026-0418
Style	Men's Short-Sleeve Piqué Polo
Order Quantity	12,000 pcs
Packed Quantity	12,000 pcs (100%)
Buyer Delivery Date	12-Aug-2026
Audit Date	05-Aug-2026
Inspector	A. Rahman (Qualityiris)
AQL Standard	ANSI/ASQ Z1.4 — Level II, Single Sampling
Critical / Major / Minor AQL	0.0 / 2.5 / 4.0
Sample Size	200 pcs
Accept / Reject (Major)	10 / 11
Accept / Reject (Minor)	14 / 15

2. Packed Goods



Inspected cartons staged for audit



Chest measurement check — sample 47

3. AQL Result Summary

Defect class	AQL	Found	Accept	Reject	Result
Critical	0.0	0	0	1	Pass
Major	2.5	6	10	11	Pass
Minor	4.0	11	14	15	Pass

Overall result: **PASS — APPROVED FOR SHIPMENT**

4. Defects Logged

#	Class	Parameter	Qty	Photo / Notes
1	Major	Broken stitch — placket	2	Sample 12, 47
2	Major	Skipped stitch — side seam	1	Sample 88
3	Major	Loose button	1	Sample 102
4	Major	Oil mark — front panel	2	Sample 134, 171
5	Minor	Loose thread — collar	4	Various
6	Minor	Hem unevenness ≤3 mm	3	Samples 22, 60, 145
7	Minor	Care label slightly skewed	2	Sample 19, 158
8	Minor	Light puckering — sleeve	2	Sample 41, 92

5. Defect Evidence



Major — broken stitch, sample 12



Minor — care label slightly skewed, sample 19

6. Measurement Check (8 POMs — 5 samples)

POM	Spec (in)	Tol	S1	S2	S3	S4	S5	Result
Chest width	21	±0.5	21.0	20.8	21.2	21.1	20.9	Pass
Body length HPS	28	±0.75	28.0	28.1	27.8	28.0	28.2	Pass
Shoulder width	18	±0.25	18.0	18.1	18.0	17.9	18.0	Pass
Sleeve length	9	±0.25	9.0	9.0	9.1	8.9	9.0	Pass
Armhole	9.5	±0.25	9.5	9.6	9.5	9.4	9.5	Pass
Bottom opening	21	±0.5	21.0	20.9	21.1	21.0	20.8	Pass
Collar height	3	±0.125	3.0	3.0	3.1	3.0	3.0	Pass
Placket length	6	±0.25	6.0	6.0	5.9	6.1	6.0	Pass

7. Barcode & Carton Check

Cartons inspected	20 of 240
Barcode scan pass rate	100% (ISO/IEC 15416 grade A)
Carton markings	Match PO, shipping marks correct
Polybag check	Pass — warning labels present
Carton CBM	Within tolerance

8. Iris AI Summary

Shipment of 12,000 pcs passes AQL 2.5 with 6 major and 11 minor defects against limits of 10 / 14. Measurements and barcode verification are clean. Recommend shipment release. For the next PO, focus on placket-seam tension and finishing-line trimming pace, which drove the majority of the defects logged.

9. Signatures

Inspector A. Rahman Qualityiris	Factory Rep M. Karim Floor Supervisor	QC Lead S. Begum Acneworld Garments
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