

Felt & Wool Inspection & QC

Felted Balls · Slippers · Home Decor · Pet Products

PRODUCT

Felt & Wool

STANDARD

ANSI/ASQ Z1.4 AQL

BASED IN

Kathmandu, Nepal

METHOD OVERVIEW

How We Inspect Felt & Wool

Quality control for Nepal-made felt: balls, slippers, home decor, pet products. Density testing, colour consistency checks, and dimensional accuracy verified at source.

AQL SAMPLING STD	40-80 PHOTOS / REPORT	24h REPORT TURNAROUND	100% INSPECTION OPTION
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REFERENCE STANDARDS

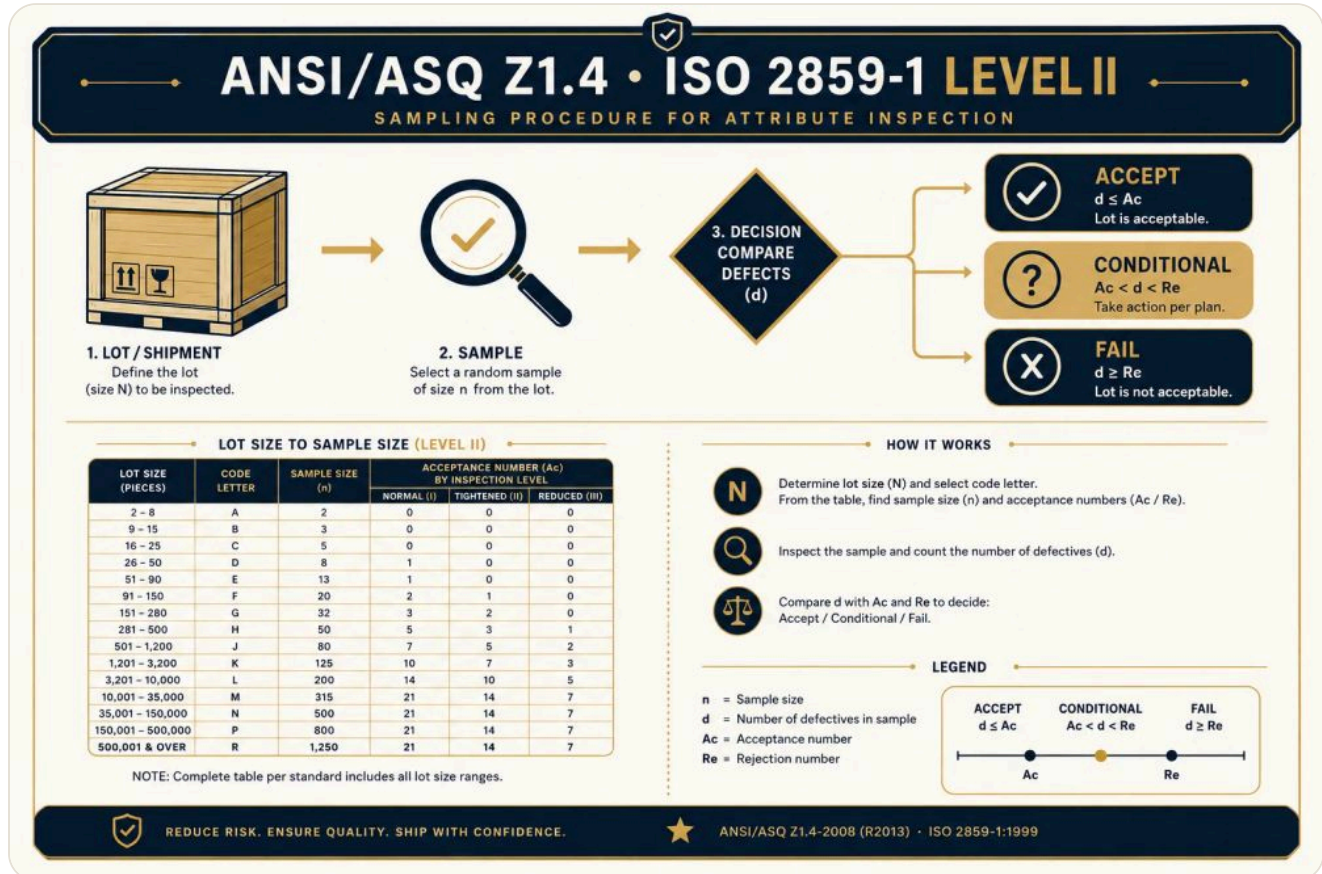
AQL	ANSI/ASQ Z1.4	DENSITY	ASTM D461
TENSILE	ASTM D461	DYE	Water & rub fastness

STATISTICALLY VALID AQL SAMPLING — ISO 2859-1

We select a random, representative sample from the lot using ISO 2859-1 general inspection level II. For a 500-piece order this typically means 50 units inspected in full. The result is a clear **Pass / Fail / Conditional** verdict for the whole lot — protecting you at a fraction of the cost of 100% inspection. Premium or safety-critical orders can be inspected at 100%.

Statistically Valid AQL Sampling

Lots are sampled to ANSI/ASQ Z1.4 (ISO 2859-1) general inspection level II. The sample drives a clear Pass / Conditional / Fail verdict for the whole shipment.



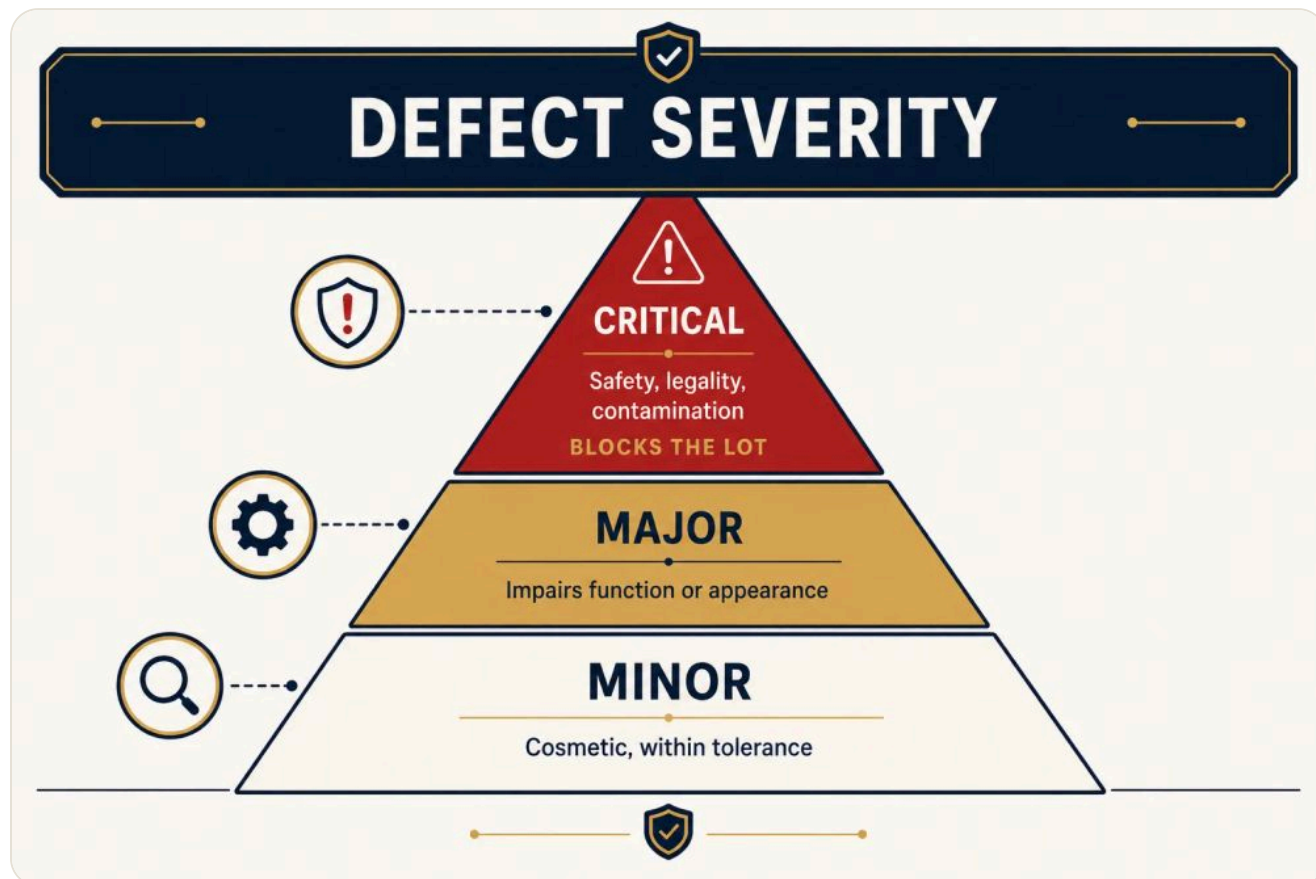
From inspection to verdict — the AQL decision flow

Takeaway: a single random, representative sample protects the whole lot — professional coverage at a fraction of the cost of 100% inspection.

DEFECT CLASSIFICATION

How Every Finding Is Judged

Each defect is recorded by severity. Any Critical finding blocks the lot; Major and Minor defects are weighed against AQL acceptance numbers.



Critical · Major · Minor — how defects are judged

Takeaway: no negotiation on safety, legality or contamination — the lot stops until the issue is resolved.

The Felt & Wool QC Checklist

Every sampled unit is checked against the full checklist below and photographed. Findings are classified as Critical, Major, or Minor and reported against your specification.



Felt density & thickness

Uniform density at multiple sampling points



Colour consistency

Batch and piece colour matching assessment



Dimensional accuracy

Length, width, thickness vs specification



Fibre content

Wool blend ratio, synthetic content, quality



Surface finish

Pilling, shedding, loose fibres, edge neatness



Structural integrity

Shape retention and flexibility for intended use



Dye fastness

Water and rub fastness for coloured items



Packaging & labelling

Carton strength, labelling, handling instructions

How defects are counted: each defective unit is recorded by severity. A lot is blocked automatically if any Critical defect is found. Major and Minor defects are evaluated against AQL acceptance numbers.

BLOCK SHIPMENT

Critical Defects We Never Ship

Any one of these findings blocks the shipment until it is resolved. There is no negotiation on safety, legality, or contamination.

CRITICAL

Sharps / metal

Any embedded needle, pin or metal fragment

CRITICAL

Restricted chemicals

Azo dyes, formaldehyde or REACH/CPSIA violations

CRITICAL

Mould / vermin

Active mould, insects or eggs in fibre items

LABORATORY & PHYSICAL TESTS

Verify Beyond the Eye

■ Drop Test

1m drop on packed cartons for packaging integrity

■ Cut & Burn Test

Fibre composition to confirm wool vs synthetic

■ Water Test

Absorption, repellency and moisture resistance

■ Density Measurement

ASTM D461 weight per unit area $\pm$ tolerance

■ Tensile Strength

ASTM D461 breaking load and elongation

On-site spot tests are performed during the visit. For formal certification (e.g. REACH, CPSIA, OEKO-TEX, ISO), we coordinate with SGS Nepal and Intertek laboratories in Kathmandu. Sample collection and courier are included.

WHY NEPAL TRADE SOLUTIONS

A Quality Partner, Not Just an Inspector

We are based in Kathmandu and inspect Nepali products every week. That product-specific, on-the-ground knowledge is what catches the defects a generic global checklist would miss.

Product-Specific Criteria

Separate checklists for every felt category

AQL & 100% Options

Standard sampling or full inspection

Export Compliance

Aligned to EU REACH, US CPSIA and ASTM

24-Hour Reports

40–80 photos in your inbox within 24 hours

INDUSTRY INSIGHT

Felt is about density and colour — our inspectors are trained specifically in wool felting and needle-punch.

Protect Your Next Felt & Wool Shipment

Book an inspection and get a detailed, photo-documented report in your inbox within 24 hours.

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