

NEPAL TRADE SOLUTIONS · QUALITY CONTROL MANUAL

Carpets & Rugs Inspection & QC

Hand-Knotted · Tibetan · Tufted · Dhurrie

PRODUCT

Carpets & Rugs

STANDARD

ANSI/ASQ Z1.4 AQL

BASED IN

Kathmandu, Nepal

METHOD OVERVIEW

How We Inspect Carpets & Rugs

Quality control for Nepali carpets — Tibetan, hand-knotted, tufted, Dhurrie. Knot count verification, dye fastness testing, and AQL-sampled inspections at your factory.

AQL
SAMPLING STD

40–80
PHOTOS / REPORT

24h
REPORT TURNAROUND

100%
INSPECTION OPTION

REFERENCE STANDARDS

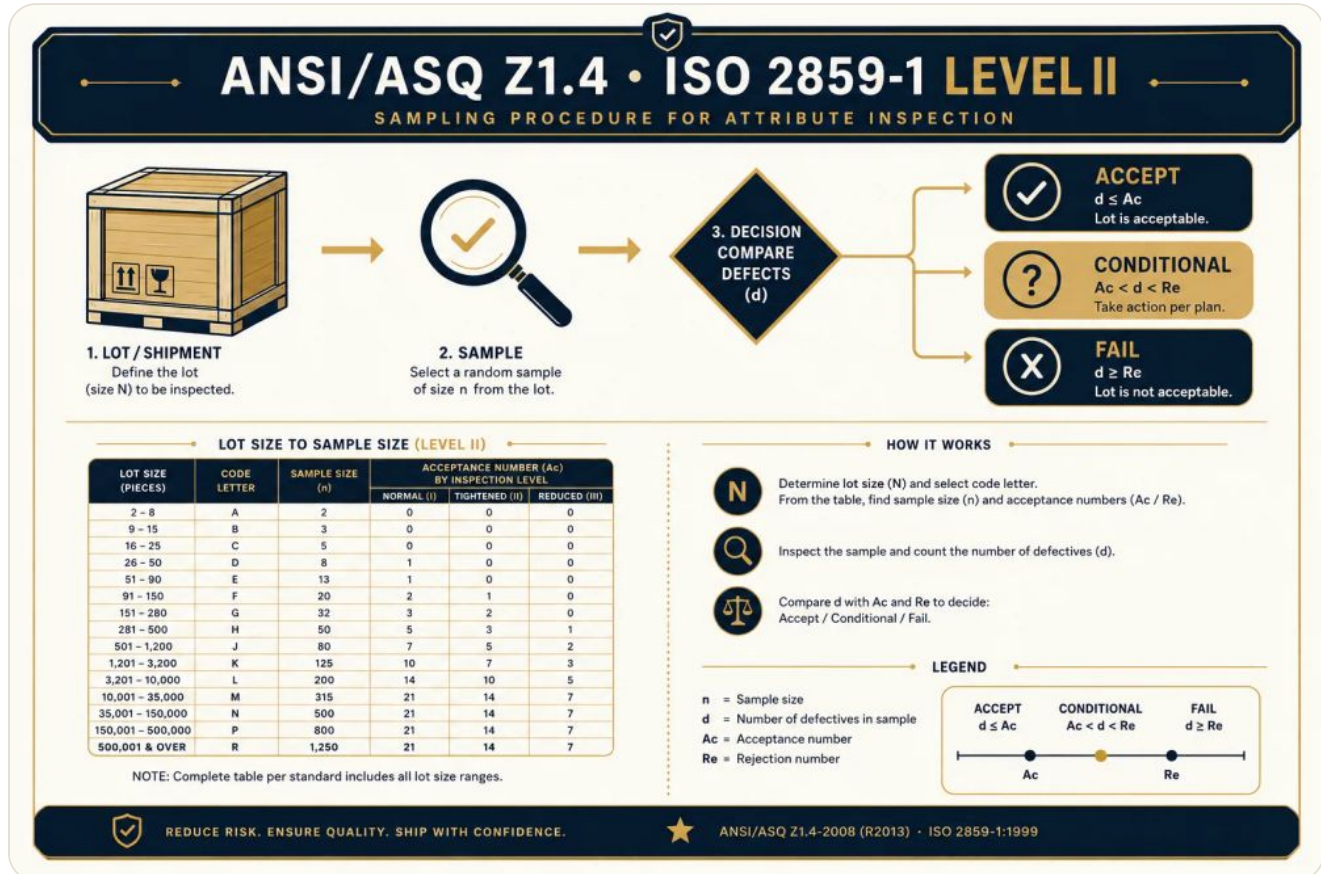
AQL	ANSI/ASQ Z1.4	FLAMMABILITY	CPSC 16 CFR 1630 / ASTM D2859
TUFT BIND	ASTM D1335 / ISO 4919	FIBRE	Cut & Burn verification

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.



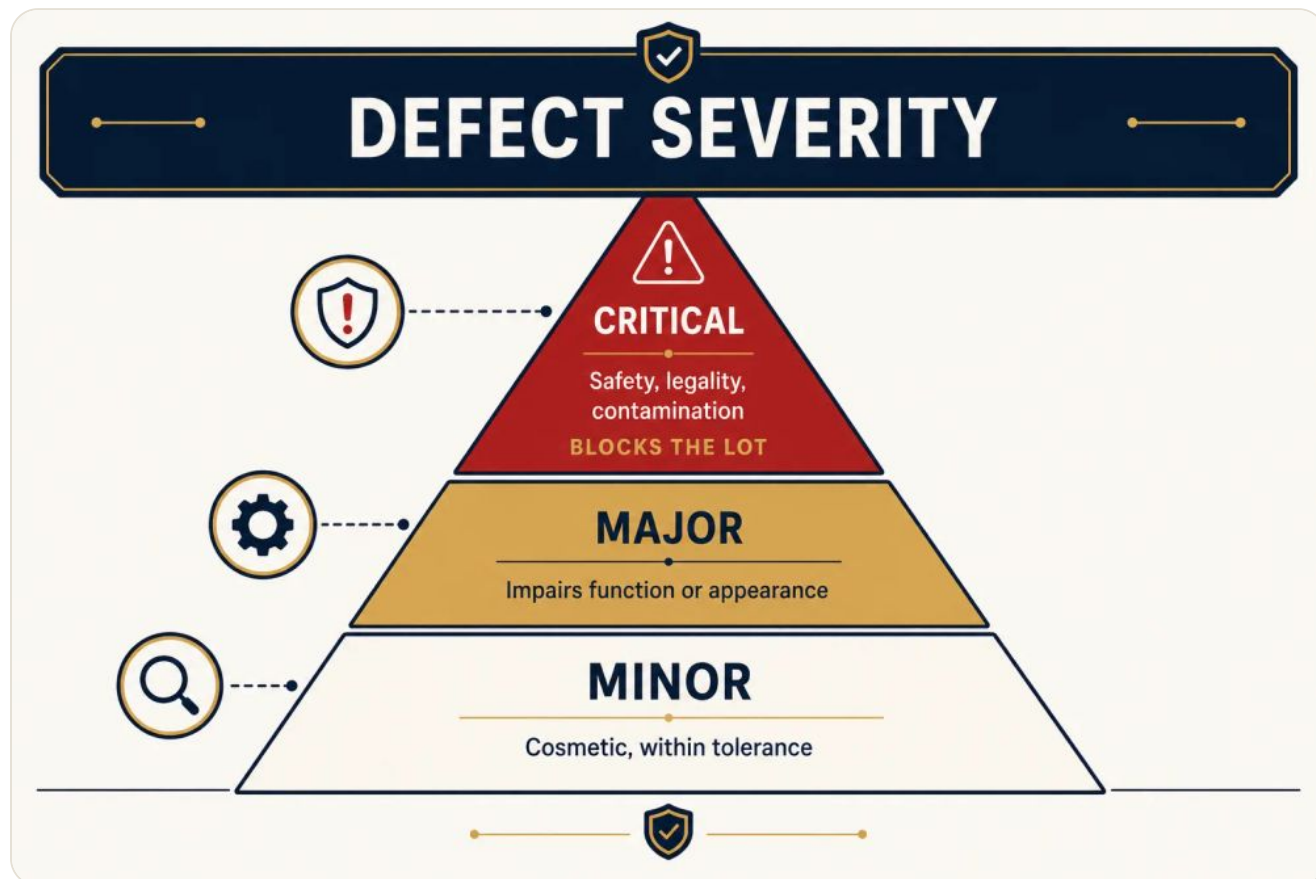
From inspection to verdict — the AQL decision flow

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 Carpets & Rugs 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.

Knot count (KPSI) Knots per square inch measured against specification	Pile height & density Uniformity across the entire carpet surface
Wool quality Fibre grade, blend ratio, origin verification	Dye fastness Rub, light and water fastness testing
Design & pattern Motif alignment, border symmetry, colour match	Backing & edge finish Selvage, latex integrity, edge stitching
Dimensions Length, width, thickness at multiple points	Packaging Rolling direction, wrapping, carton strength, labelling

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 / foreign metal

Any needle, pin or metal fragment embedded in the carpet

CRITICAL

Restricted substances

Lead, azo dyes or chemicals beyond destination limits

CRITICAL

Mould / contamination

Mould, mildew or biological contamination

LABORATORY & PHYSICAL TESTS

Verify Beyond the Eye

■ Drop Test

1m drop on packed cartons to verify packaging integrity

■ Cut & Burn Test

Fibre composition to confirm wool vs synthetic blend

■ Dye Fastness

Rub, water and light fastness to prevent bleed and fade

■ Surface Flammability

CPSC 16 CFR 1630 / ASTM D2859 fire safety

■ Tuft Bind Test

ASTM D1335 / ISO 4919 pile retention durability

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 Checklists

Separate criteria for Tibetan, tufted, Dhurrie and custom

AQL Sampling Standards

ANSI/ASQ Z1.4 compliant, 100% available for premium

Trained Local Inspectors

We know wool grades, knot densities and Nepali dyeing

40–80 Photos

Full photo-documented report within 24 hours

INDUSTRY INSIGHT

Well-run factories run 5–10% defect rates at final inspection — we catch them before shipment.

Protect Your Next Carpets & Rugs Shipment

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

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