



2026

Global Eyewear Packaging Compliance & Technical Risk Checklist

A Strategic Guide for Premium Brands to Ensure Quality, Safety, and Zero-Risk Customs Clearance.

Presented by XH Eyewear Case Factory.

The "Red Line" – Global Legal Compliance

EU Market: REACH Regulation (SVHC free), PFAS-Free declaration for 2026, and FSC certified paper sourcing.

US Market: California Prop 65 (Lead, Cadmium, Phthalates limits), and TPCH heavy metal packaging requirements (<100ppm).

Customs Safety: Full SDS/MSDS reports for all lens cleaning solutions (30ml/60ml) to ensure non-hazardous shipping.



Structural Integrity & Craftsmanship Standards

1. Structural Reinforcement (High-Strength Steel Core)

Every batch of XH Factory products undergoes pressure testing. We ensure that the eyeglass cases maintain their original shape even after frequent daily use, providing maximum protection for the lenses.

2. Hinges and Closure Precision (25 Years of Craftsmanship Standards)

We rely not only on machines, but also on exquisite craftsmanship.

Zero-Gap Alignment: Our magnetic and spring hinges are hand-calibrated by experienced sample makers (such as Mr. Chen). We ensure the alignment accuracy of the top and bottom covers is within a 0.5mm tolerance, eliminating common problems in cheap mass-produced eyeglass cases such as "lid wobbling" or uneven gaps.

Tactile Testing: Every batch of hinges undergoes manual testing to ensure a "crisp, solid click," meeting customers' expectations for a luxurious tactile experience.

3. Advanced Material Bonding and Anti-Peeling

Environmentally Friendly Adhesive Solution: We use high-quality, low-VOC environmentally friendly adhesives that can withstand temperature fluctuations during sea transport.

Moisture Protection: To ensure zero mold growth during long-distance transport (especially to Europe), we implement a "triple drying process":

- a) Preheating materials to remove occult moisture.
- b) Precisely placing industrial-grade desiccant in each master carton.
- c) High-barrier moisture-proof linings for bulk shipments.



Visual Identity & Color Precision

The ΔE Standard: We maintain a visual variance of $\Delta E < 1.0$ using Pantone-calibrated spectrophotometers.

Cross-Material Matching: Ensuring the "Brand Identity" matches perfectly across PU leather, 250g microfiber, and specialty paper.

Ink Edge Painting: 3-layer oil edge process for a smooth, burr-free finish on high-end cases.



Proven Success (The "Social Proof")

France Case: 7-color AI design replication in 45 days.

South Korea Case: 35% supply chain cost reduction via vendor consolidation.

Lithuania Case: Managing 11,000-set multi-brand integrated production with zero color drift.

How We Partner With You

Step 1: Free Compliance Audit for your current collection.

Step 2: Master-Sample development (7-10 days).

Step 3: Mass production with real-time video QC.

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