**PRD-34 — Lab and QA Results Linkage**

**Intent**

Bind laboratory/QA results (e.g., chemical assays, performance tests, safety marks) to product versions and lots; surface pass/fail and expiry into decisions and DPP/EPR.

**Preconditions**

• Document vault with hashing; certificate types & schemas; PRD-17 serial/lot enabled where needed.

**Steps**

• Ingest: upload lab reports; virus scan; compute File Hash Receipt.

• AI Parse (advisory): extract key measurements, standards, limits; show Evidence Tiles with page refs.

• Bind & Validate: link to ProductVersion/lot; validate test scope matches product scope and standard version.

• Verdict: pass/warn/fail with WHY; expiry (re-test date) set; badges on product/lot header.

• Hooks: failed/expired results trigger HOLD on new use; DPP/EPR packs pull current pass status; proofs included.

**Edge cases**

• Conflicting results from different labs → require reviewer resolution and note; most-restrictive wins until resolved.

• Partial-lot testing → mark covered range explicitly.

**Done when**

• Every referenced test is hash-tracked, version-bound, and exposes a clear verdict influencing downstream flows.