What Laminar records, and how it is kept

Laminar is the software your cleanroom test record lives in: test plans, field capture, retests, review and room history. A qualified certifier or your own qualified reviewer tests and signs. This page describes exactly what Laminar records, and how.

ATTRIBUTABLE

- Every reading is saved with the technician, the time and the instrument used.
- Readings are typed once on the iPad in the room, with the instrument and its calibration attached; rows from a counter's printout or export paste straight in.
- Several technicians can work one visit; each entry keeps its own author.

ORIGINAL, NEVER OVERWRITTEN

- An initial reading is never overwritten: a new reading is appended and supersedes it, never edited in place.
- A retest or correction needs a written reason; a correction cannot replace a teammate's reading without an explicit choice.
- After a logged adjustment, readings taken before it are refused; the target is remeasured.
- The as-found reading stays in the record beside the retest, each with technician, time and instrument.
- Readings are never prefilled; each is typed or captured fresh.

CHECKED AS IT IS ENTERED

- Each result is checked against its limit as it goes in. After a logged adjustment, earlier readings are refused and the item is remeasured.
- Classification records show each ISO 14644-1 sampling requirement (locations, samples, volume, time) as met or not, with its clause.
- Field entry works offline; drafts stay on the device until saved.

REVIEWED AGAINST AN EXACT REVISION

- The report builds from the field record; nothing is retyped at a desk.
- The review is recorded against the exact report revision it covers: a named person, the time and a written statement.
- Each issued report is a frozen, tamper-evident snapshot. A revision is a new snapshot; the earlier one is kept and marked superseded.
- Reports go out under the firm's own letterhead: name, logo, brand colour, contacts and credential line.
- A reviewer can give a facility's named contact secure sign-in access to an issued report. Drafts are never visible. Every grant, revoke and download is logged.

KEPT ACROSS VISITS

- Each room and filter keeps its results across visits, with what changed since the last issued report (for example a filter serial change, filter penetration, pressure differentials, air changes).
- A renamed room keeps its history.
- A due list shows what is due next and the rule behind each date; when two rules apply, the shortest is used.

EXPORTABLE

- At any time, without asking us: issued reports as PDF, readings and history as CSV, the audit trail as CSV or Excel, and the due list as CSV.
- Per room or facility: a Results CSV and an audit bundle (.zip).
- Only the organization's own staff sign in (admin, reviewer and technician roles), plus the report readers they grant.

- Data is stored on Cloudflare (D1 database and R2 file storage).

Built for your validation. Attributable entries, originals never overwritten, written reasons, review tied to the exact revision, tamper-evident report snapshots and a full audit-trail export: what your 21 CFR Part 11 and EU GMP Annex 11 validation looks for. Your team qualifies Laminar for its intended use, as with any GxP system. Region, backups and retention: written answers on request.

Coming next: a facility portal with every room's history behind one login, and direct instrument import. **Launching 2027:** a fleet of semi-autonomous rovers, each carrying one instrument at a time (particle counter or HEPA aerosol photometer); the guidance agent; live pressure during balancing; trend analysis across years.

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