From scattered records to an accountable decision

The ontology connects meaning; verification establishes what may be relied on.

One valve, three records, one controlled decision

1 Collect records

- ✕ Excel: valve identifier
- ■ PDF: laboratory test
- ▲ Database: acceptance rules

2 Give facts meaning

Which valve and test?
Which units and limits?
Who asserted it, and when?

2.40 mL / 600 s = 0.24 mL/min

3 Verify evidence + permission

Accepted issuer and scope
Current status and provenance
Permission for this use

Accepted facts and stated gaps

4 AI uses accepted facts

Links answers to their sources
Shows gaps and conflicts
Does not confer authority

5 Local decision + approval

RELEASE ELIGIBLE: checks pass
HOLD: missing or invalid evidence

Action still needs authorization

Why the ontology matters

It connects records to the same valve, the same units and the same test. This makes evidence usable by AI.

Signature is not truth
Verify the source and its authority.

Missing is not false
Keep absent evidence visible.

An answer is not permission
Authorize the consequential action.

Illustrative synthetic valve case; no actual certification, measured result or executed comparison is reported.