How we test

Evidence for procurement and information-governance teams. Recorded results, including misses and limits.

Current scanner: 0.2.0-poi-fixes.20261104.2
Full automated suite: 4 November 2026 | **Evidence reviewed:** 5 November 2026

Blind results before fixes

B1 - 28 October 2026: 20/25 planted items located; 19/25 at the expected grade. No amber findings on eight decoys or the clean control. Five misses included two with no warning.

B2 - 28 October 2026: 33/33 located; 32/33 at the expected grade, with the remaining grade allowed by the key. Two of 23 decoys and one of five clean files received false amber findings. Those cases were fixed and retained as regression tests.

Separate authoring and scanning sessions sealed the keys and froze the scanner before scoring. 42Analytics directs this work with help from AI coding agents. These are in-house tests, not a third-party assessment. Revealed-set results after fixes are not fresh blind scores.

B1: 0.2.0-stress.20261027.1
B2: 0.2.0-excel-saved.20261028.1

Robustness and browser consistency

835 Apache POI files; 6,158 final scans. Every file ran in Node with sensitive search off and on; a 748-file sample also ran in Chromium, Firefox and Playwright WebKit. No crash, hang or memory failure was observed. Sampled reports matched Node, excluding timestamps and duration.

A structural review of 192 files reported as Checked found no false Checked evidence. Monitoring found no inspection-generated requests or unapproved content writes; browser background activity was classified separately. No concealment key exists for this corpus, so this is not a recall score.

Current automated validation: 2,858 full-suite tests, 1,307 regression tests, 5,109 browser assertions and 152 size-boundary scans. Malformed inputs and readable controls test refusals, partial checks and retained findings.

Native Safari: 80/80 scans matched Node on an 8 GB Apple M1 Mac, Safari 27.2, on 3 November. That run used 0.2.0-size-boundary-fixes.20261103.2. Later changes have WebKit coverage, but have not had a new native Safari run.

One bounded comparison with Excel

In a fictional demo tested on 28 October 2026, Windows Excel Document Inspector 16.0.20527.20088 did not report text hidden by the ;;; number format. It remained after the offered removals and saving; Workbook Inspector reported it. Excel did report an external-link warning. Behaviour can differ between versions.

Scope and limits

Reads .xlsx locally: up to 100 MiB and five million stored cells, with further expansion and text limits. It does not inspect .xls, .xlsb, .xlsm or encrypted inputs, recalculate formulas, run links/macros, recognise text in pictures or analyse cropped JPEG pixels. Some drawings remain limited. Sensitive search is not exhaustive.

A report records checks performed. It is not a safety certificate, malware scan or legal compliance assessment. Gaps include manual guidance; unreadable parts can leave their scope unknown.