

Testing Method Overview

ARES RESEARCH LAB™ · Two-Lab Verification Process

Every batch we release is analyzed by two independent laboratories before it reaches a customer. This document summarizes what we test, who tests it, how long it takes, and what happens when a batch fails.

The Two-Lab Standard

Janoshik Analytical	Freedom Diagnostics
Identity confirmation HPLC purity quantification Mass-spectrometry mass confirmation	Independent purity cross-check Heavy-metal screening Endotoxin (bacterial) screening

Running samples through two separate facilities produces a cross-checked result rather than a single self-certified number. Disagreement between labs triggers a re-test before any release decision is made.

The Full Analytical Panel

Identity	Confirms the compound is what the label claims — not an analogue or substitute.
HPLC purity	Quantifies purity as a percentage and surfaces related-substance impurities.
Mass spectrometry	Confirms molecular mass matches the expected structure.
Heavy metals	Screens for lead, arsenic, cadmium, mercury and related contamination.
Endotoxins	Screens for bacterial endotoxin load introduced during synthesis or fill.
Appearance / fill	Visual and weight checks on the finished vial and lyophilized cake.

Batch Workflow

- 1 Intake** — raw material arrives with supplier documentation and is quarantined; nothing is listed for sale.
- 2 Sampling** — representative vials are pulled from the filled batch and sent to both laboratories.

- 3 Parallel analysis** — each lab runs its panel independently, with no shared results between them.
- 4 Review** — results are compared. Any discrepancy or borderline value triggers a re-test.
- 5 Release** — only after both labs sign off is the batch released and its COA published.
- 6 Traceability** — the batch number stays attached to the product page and COA lookup after release.

Turnaround

Most batches complete the two-lab panel within **7-14 business days**. Complex confirmations or re-tests can add several days. We do not shorten the panel or release early to meet demand.

If a Batch Fails

A batch that fails identity, purity, contamination, or safety thresholds is rejected. We do not blend failed material into passing lots, relabel it, or route it to a secondary channel. The batch is reworked or destroyed, and the failure is recorded internally against that lot number.

Certificates of Analysis

Every released batch carries its own batch-specific COA. Look it up by product and batch number using the COA tool at aresresearchlab.com/coa, or request it directly at support@aresresearchlab.com.

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