

# Research Peptide Documentation Review Checklist

Use this printable worksheet to connect a physical research material to its label, supplier record, lot-specific Certificate of Analysis, and stated analytical methods. A checked box confirms that a field was reviewed; it does not establish safety, sterility, efficacy, or suitability for human or veterinary use.

|                        |  |
|------------------------|--|
| Material / compound    |  |
| Supplier               |  |
| Lot / batch            |  |
| Review date / reviewer |  |

## 1. Label and material identity

- ☐ Compound name is stated consistently on the vial, product record, and laboratory report.
- ☐ Chemical form, sequence, CAS number, or molecular formula is present when relevant to the material.
- ☐ Labeled quantity and unit are stated and agree across the label and the corresponding record.
- ☐ The label states that the material is for research purposes only.

## 2. Lot and supplier traceability

- ☐ A lot or batch identifier appears on the material and matches the Certificate of Analysis.
- ☐ The supplier or submitting organization on the report matches the material being reviewed.
- ☐ The report number, accession number, or sample identifier is present and legible.
- ☐ The report date and any relevant receipt, acquisition, or analysis dates are stated.

## 3. Laboratory and report authenticity

- ☐ The testing laboratory is clearly identified with contact or verification information.
- ☐ A QR code or verification link opens the expected laboratory record, not an unrelated company or product.
- ☐ The compound, quantity, lot, supplier, and report identifiers agree at the verification destination.
- ☐ The report shows authorization, review, or release information when the laboratory provides it.

## Analytical Scope and Decision Record

### 4. Methods and reported results

- ☐ Each reported result names the analytical method used to produce it.
- ☐ HPLC conditions or method context are available when a chromatographic purity result is reported.
- ☐ Identity evidence is distinguished from chromatographic purity and from absolute quantity testing.
- ☐ The report states units, acceptance criteria, qualifiers, and limitations where applicable.
- ☐ Any required complementary testing or unresolved documentation gap is recorded below.

### What common analytical records can and cannot establish

| Record or method        | May help evaluate                                                                                       | Does not establish by itself                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| HPLC chromatogram       | Relative detector response, retention behavior, resolved peaks, and integration under the stated method | Molecular identity, absolute vial quantity, sterility, safety, or clinical suitability |
| Mass spectrometry       | Mass-to-charge evidence that may support molecular identity                                             | Chromatographic purity, absolute quantity, sterility, or safety                        |
| Quantitation or assay   | Measured amount or concentration under the stated calibrated method                                     | Identity or purity unless those questions were separately tested                       |
| Certificate of Analysis | A traceable summary of the sample, methods, results, dates, laboratory, and lot                         | Claims beyond the tests actually performed or a guarantee for another lot              |

### Unresolved gaps or follow-up questions

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### Review outcome

|                                                     |                                                 |                                                         |
|-----------------------------------------------------|-------------------------------------------------|---------------------------------------------------------|
| <input type="checkbox"/> Documentation fields agree | <input type="checkbox"/> Clarification required | <input type="checkbox"/> Record does not match material |
| Reviewer signature / initials                       |                                                 | Date                                                    |
|                                                     |                                                 |                                                         |

Further reading: [jdbioworks.com/research-peptide-guides/](https://jdbioworks.com/research-peptide-guides/) - [jdbioworks.com/certificates-of-analysis/](https://jdbioworks.com/certificates-of-analysis/) - [jdbioworks.com/how-to-read-an-hplc-chromatogram-for-peptide-research/](https://jdbioworks.com/how-to-read-an-hplc-chromatogram-for-peptide-research/)