Certificate of Analysis

ILS Laboratories
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(619) 329-3999 | ils-lab.com

S20-2T - 60mg

Tested for: S20 Research, LLC
www.20aminos.com

PASS

COA #:	**COA-2026-953646**	Analysis Date:	**05/08/2026**
Lot Number:	**B10059**	Appearance:	**Good**
Accession #:	**ACC-2026-2042**	Sample Matrix:	**Lyophilized**
Labeled Content:	**60mg**	Vial Size:	**3mL**
		Date Received:	**05/05/2026**

Scan to verify authenticity at ils-lab.com
Access Code: QEJMPN4V

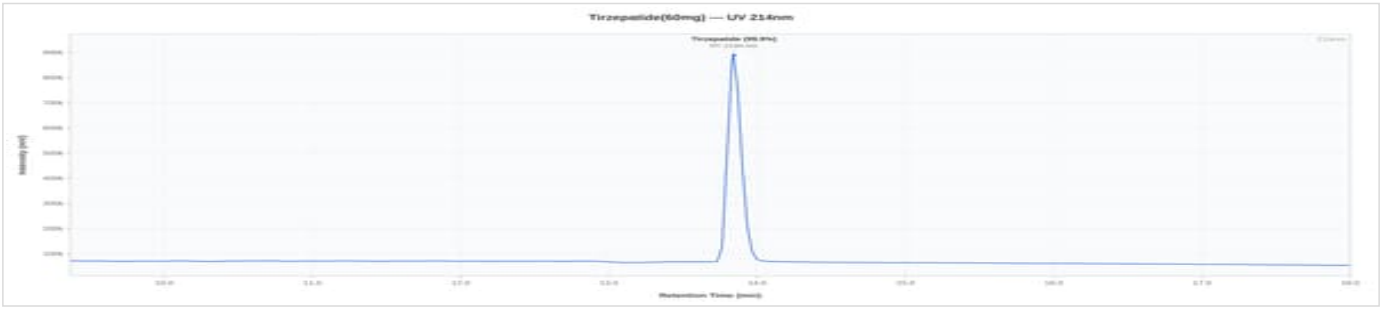
Method: **Full QC Panel**

Identity	Peptide Purity
S20-2T	**99.93%**

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	**99.93%**	%	**PASS**
Net Peptide Content	Report Only	**64.35**	mg	N/A
Identity (HPLC-RTM)	Tirzepatide	**Confirmed**	-	**PASS**

HPLC Chromatogram



Representative chromatogram, Conformity V1

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.80%	63.96 mg	Confirmed	**PASS**
Conformity V1	99.93%	64.35 mg	Confirmed	**PASS**
Mean	**99.87%**	**64.16 mg**	—	—
Std Dev	**0.0650%**	**0.1950 mg**	—	—

Dr. Greg Kalyuzhny
Lab Director
7/9/2026

COA #: **COA-2026-953646**
Access Code: **QEJMPN4V**
Verify: portal.ils-lab.com/verify/M2ECSx8rSme_z_6t
Issued: 7/9/2026

Heavy Metals Analysis (ICP-MS)

Test	Specification	Result	Status
Arsenic (As)	NMT 1.5 ppm	*Not Detected*	**PASS**
Cadmium (Cd)	NMT 0.5 ppm	*Not Detected*	**PASS**
Chromium (Cr)	NMT 10 ppm	*Not Detected*	**PASS**
Mercury (Hg)	NMT 1.5 ppm	*Not Detected*	**PASS**
Lead (Pb)	NMT 1 ppm	*Not Detected*	**PASS**

Sterility Testing (PCR)

Test	Specification	Result	Status
Sterility (PCR)	No Growth	**No Growth**	**PASS**

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	**0.085 EU/mL**	**Reported**

About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.

Notes & Methodology

1. Date Tested: 07/09/2026. Methods: Purity & Quant (HPLC).
2. The sample was confirmed to be S20-2T by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or product specification.
4. Endotoxin tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
5. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.
6. Chromatogram shown is representative: Conformity V1 (99.93% purity, closest to batch mean of 99.87%).

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