

ILS Laboratories

8222 Vickers St, Suite 106, San Diego, CA 92111
(619) 329-3999 | ils-lab.com

VLS-3RT - 60mg

Tested for: **Voltera Sciences**
www.volterasciences.com


COA #: **COA-2026-412744**
Lot Number: **RT60.05.28.26**
Accession #: **ACC-2026-3696**
Labeled Content: **60mg**

Method: **Full QC Panel**
Analysis Date: **06/05/2026**
Appearance: **Good**
Vial Size: **3mL**
Date Received: **06/01/2026**

PASS



Scan to verify
authenticity at ils-lab.com
Access Code: QVRK63Y

Identity VLS-3RT	Peptide Purity 99.78%	 Fentanyl Free
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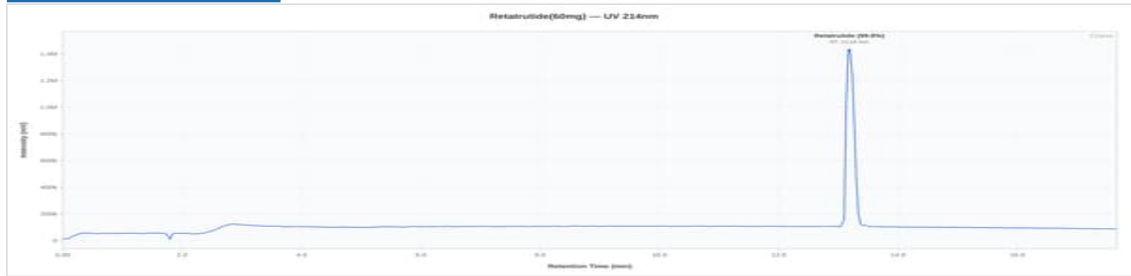


VLS-3RT 60mg - RT60.05.28.26

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.78%	%	PASS
Net Peptide Content	Report Only	64.17	mg	N/A
Identity (HPLC-RTM)	Retatrutide	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS

HPLC Chromatogram



VLS-3RT 60mg - RT60.05.28.26: UV Chromatogram

Heavy Metals Analysis (ICP-MS)

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

Sterility Testing (PCR)

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




Dr. Greg Kalyuzhny
Lab Director
6/7/2026

COA #: **COA-2026-412744**
Access Code: **QVRK63Y**
Verify: portal.ils-lab.com/verify/nzjbtUcU08pISPj
Issued: 6/7/2026

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	0.15 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: 06/07/2026. Methods: Full QC Panel.
2. The sample was confirmed to be VLS-3RT 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.



Dr. Greg Kalyuzhny
Lab Director
6/7/2026

COA #: **COA-2026-412744**
Access Code: **QRVRK63Y**
Verify: <portal.ils-lab.com/verify/nzjbtUcU08pISPj>
Issued: 6/7/2026

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VLS-3RT - 10mg

Tested for: **Voltera Sciences**
www.volterasciences.com


COA #: **COA-2026-412743**
Lot Number: **RT10.05.28.26**
Accession #: **ACC-2026-3694**
Labeled Content: **10mg**

Method: **Full QC Panel**
Analysis Date: **06/05/2026**
Appearance: **Good**
Vial Size: **3mL**
Date Received: **06/01/2026**

PASS



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Access Code: NMSTTUD5

Identity VLS-3RT	Peptide Purity 99.15%	 Fentanyl Free
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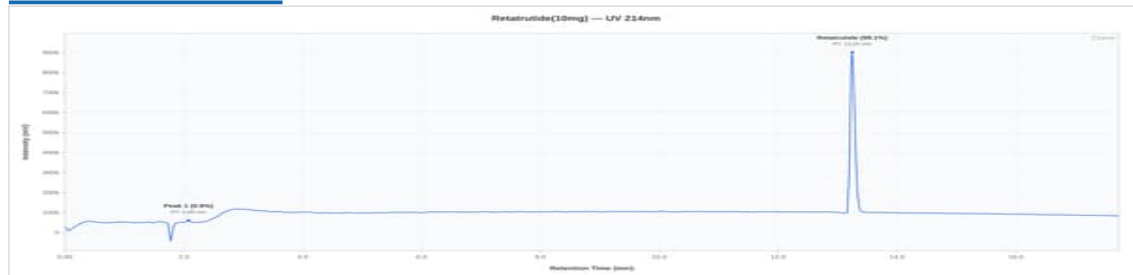


VLS-3RT 10mg - RT10.05.28.26

Full QC Panel

Analyte	Specification	Result	Unit	Status
Peptide Purity (HPLC)	>= 95.0%	99.15%	%	PASS
Net Peptide Content	Report Only	10.57	mg	N/A
Identity (HPLC-RTM)	Retatrutide	Confirmed	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	Not Detected	-	PASS

HPLC Chromatogram



VLS-3RT 10mg - RT10.05.28.26: UV Chromatogram

Heavy Metals Analysis (ICP-MS)

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

Sterility Testing (PCR)

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




Dr. Greg Kalyuzhny
Lab Director
6/7/2026

COA #: **COA-2026-412743**
Access Code: **NMSTTUD5**
Verify: portal.ils-lab.com/verify/a69oQ6n129QlixIF
Issued: 6/7/2026

Endotoxin Testing (USP <85>)

Test	Specification	Result	Status
Endotoxin (USP <85>)	Report Result	0.15 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: 06/07/2026. Methods: Full QC Panel.
2. The sample was confirmed to be VLS-3RT 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.



Dr. Greg Kalyuzhny
Lab Director
6/7/2026

COA #: **COA-2026-412743**
Access Code: **NMSTTUD5**
Verify: <portal.ils-lab.com/verify/a69oQ6n129QlixIF>
Issued: 6/7/2026

ILS Laboratories

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VLS-3RT - 30mg

PASS



Tested for: Voltera Sciences
www.VolteraSciences.com

COA #:	COA-2026-412621	Method:	Full QC Panel
Lot Number:	RT30.05.15.2026	Analysis Date:	05/08/2026
Accession #:	ACC-2026-2048	Appearance:	Good
Concentration:	30mg	Volume:	3mL
Sample Matrix:	Lyophilized	Received:	05/05/2026



Scan to verify authenticity at ils-lab.com

Identity	Purity
VLS-3RT	99.62%



VLS-3RT 30mg - RT30.05.15.2026

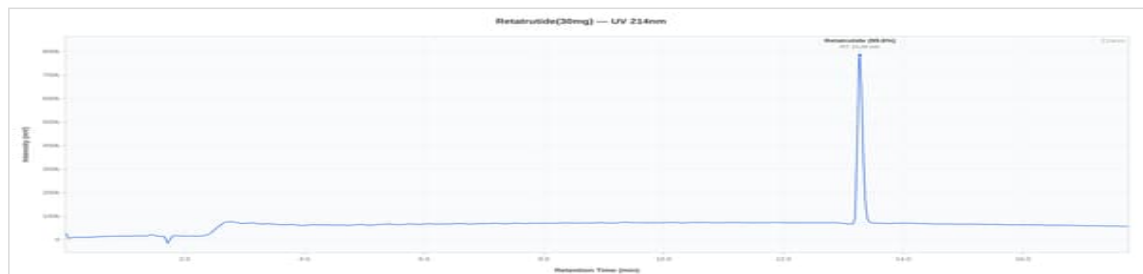
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	99.62%	%	PASS
Net Peptide Content	Report Only	30.64	mg	N/A
Identity (ID)	Retatrutide	Confirmed	-	PASS

Heavy Metals (ICP-MS)

Analyte	Specification	Result	Unit	Status
Heavy Metals				
Arsenic (As)	<= 1.5 ppm	Not Detected	ppm	PASS
Cadmium (Cd)	<= 0.5 ppm	Not Detected	ppm	PASS
Lead (Pb)	<= 1 ppm	Not Detected	ppm	PASS
Mercury (Hg)	<= 1.5 ppm	0.0887 ppm	ppm	PASS
Chromium (Cr)	<= 10 ppm	0.0693 ppm	ppm	PASS

HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.62% purity, closest to batch mean of 99.56%)




Dr. Greg Kalyuzhny
Lab Director
5/23/2026

COA #: **COA-2026-412621**
Access Code: **VF89DCQF**
Verify: portal.ils-lab.com/verify/zGQ4Breus4mhzF06
Issued: 5/23/2026

ILS Laboratories

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VLS-3RT - 30mg

PASS

Tested for: Voltera Sciences

www.VolteraSciences.com

COA #:	COA-2026-412621	Method:	Full QC Panel
Lot Number:	RT30.05.15.2026	Analysis Date:	05/08/2026
Accession #:	ACC-2026-2048	Appearance:	Good
Concentration:	30mg	Volume:	3mL
Sample Matrix:	Lyophilized	Received:	05/05/2026



Scan to verify
authenticity at ils-lab.com

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.62%	30.64 mg	Confirmed	PASS
Conformity V1	99.50%	31.84 mg	Confirmed	PASS
Mean	99.56%	31.24 mg	—	—
Std Dev	0.0600%	0.6000 mg	—	—

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

- Date Tested: 05/23/2026. Methods: Purity & Quant (HPLC); Heavy Metals (ICP-MS).
- The sample was confirmed to be VLS-3RT by HPLC. Identification by chromatographic retention time comparison with a reference standard.
- Endotoxin acceptance limits are product-specific. Results reported for client evaluation.
- Chromatogram shown is representative: Dedicated V0 (99.62% purity, closest to batch mean of 99.56%).




Dr. Greg Kalyuzhny
Lab Director
5/23/2026

COA #: **COA-2026-412621**
Access Code: **VF89DCQF**
Verify: portal.ils-lab.com/verify/zGQ4Breus4mhZf06
Issued: 5/23/2026

Client: Voltera

Certified: 05/14/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	VLS-3RT	Form	Lyophilized powder
Batch	VLSRT.05.02.2026	Labeled Qty	10 mg
Mol. Formula	C221H342N46O68	CAS Number	2381089-83-2
Cap Color	Yellow	Crimp Color	Silver

TEST RESULTS

	REFERENCE STANDARD	RESULT
Batch Avg Purity	(>98%)	99.951% <input checked="" type="checkbox"/>
Batch Avg Net Content	(10mg ± 10%)	11.36 mg <input checked="" type="checkbox"/>
Identity Confirmation (LC-MS)	(VLS-3RT)	VLS-3RT <input checked="" type="checkbox"/>
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS <input checked="" type="checkbox"/>
Microbial Sterility Screen	(No Growth)	No Growth <input checked="" type="checkbox"/>

HEAVY METAL SCREENING

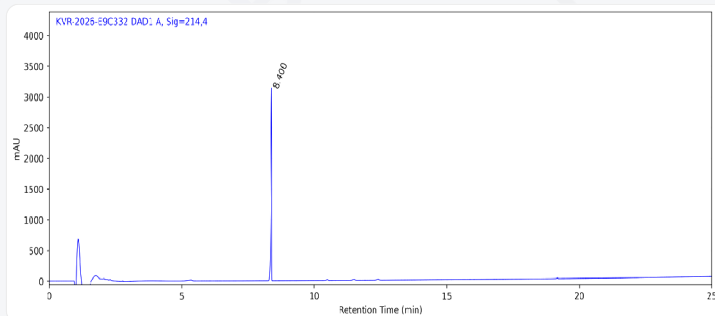
Analyte	Result	Status
Arsenic (As)	Negative	<input checked="" type="checkbox"/>
Cadmium (Cd)	Negative	<input checked="" type="checkbox"/>
Lead (Pb)	Negative	<input checked="" type="checkbox"/>
Mercury (Hg)	Negative	<input checked="" type="checkbox"/>

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.939	11.39
Vial 2	99.962	11.32
Batch Average	99.951%	11.36 mg

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 214 nm


 Lemar Arghandinal
 Lab Director


koveralabs.com/verify

 Report#: KVR-2026-0F26E3
 Access Code: XZ3WOJX

Client: Voltera

Certified: 05/14/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	VLS-3RT	Form	Lyophilized powder
Batch	VLSRT.05.02.2026	Labeled Qty	20 mg
Mol. Formula	C225H348N48O68	CAS Number	2023788-19-2
Cap Color	White	Crimp Color	Silver

TEST RESULTS

	REFERENCE STANDARD	RESULT	
Batch Avg Purity	(>98%)	99.864%	✓
Batch Avg Net Content	(20mg ± 10%)	21.31 mg	✓
Identity Confirmation (LC-MS)	(VLS-3RT)	VLS-3RT	✓
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS	✓
Microbial Sterility Screen	(No Growth)	No Growth	✓

HEAVY METAL SCREENING

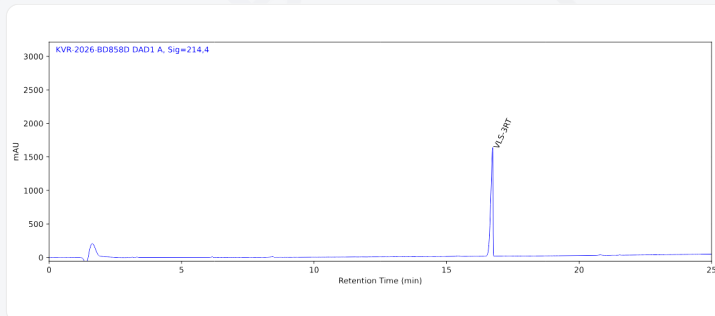
Analyte	Result	Status
Arsenic (As)	Negative	✓
Cadmium (Cd)	Negative	✓
Lead (Pb)	Negative	✓
Mercury (Hg)	Negative	✓

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.869	21.31
Vial 2	99.858	21.31
Batch Average	99.864%	21.31 mg

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 214 nm


 Lemar Arghandival
 Lab Director


koveralabs.com/verify

 Report#: KVR-2026-BD858D
 Access Code: IK6M3RH

Client: Voltera

Certified: 05/17/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	VLS-3RT	Form	Lyophilized powder
Batch	VLSRT.05.17.2026	Labeled Qty	20 mg
Mol. Formula	C221H342N46O68	CAS Number	2381089-83-2
Cap Color	Black	Crimp Color	Silver

TEST RESULTS

	REFERENCE STANDARD	RESULT	
Batch Avg Purity	(>98%)	99.862%	✓
Batch Avg Net Content	(20mg ± 10%)	22.88 mg	✓
Identity Confirmation (LC-MS)	(VLS-3RT)	VLS-3RT	✓
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS	✓
Microbial Sterility Screen	(No Growth)	No Growth	✓

HEAVY METAL SCREENING

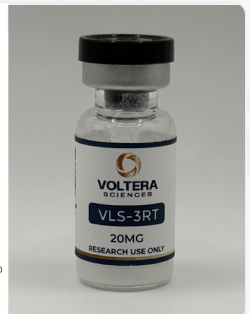
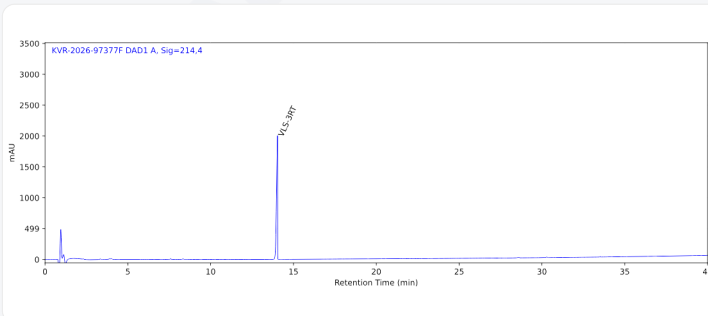
Analyte	Result	Status
Arsenic (As)	Negative	✓
Cadmium (Cd)	Negative	✓
Lead (Pb)	Negative	✓
Mercury (Hg)	Negative	✓

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.821	22.87
Vial 2	99.907	22.83
Vial 3	99.858	22.94
Batch Average	99.862%	22.88 mg

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 214 nm



 Lab Director

koveralabs.com/verify

 Report#: KVR-2026-97377F
 Access Code: UH9W2WI