PRECISION MASS SPEC
CHEMICAL • PHARMACEUTICAL

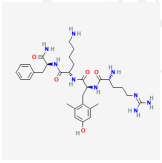
CERTIFICATE OF ANALYSIS

COA Number	**PMS-7351571023**
Client	**RENOVITA RESEARCH LLC**
Product	**SS-31**
Received	**10/26/2026 12:34 PM CT**
Report Date	**10/28/2026**
Lot Number	**STL2610SS50-RR-SS3W-1026**

PRODUCT IDENTIFICATION

HPLC-UV coupled with LC-MS, standard laboratory conditions

Compound Name	SS-31	**CAS No.**	736992-21-5
Molecular Formula	C32H49N9O5	**Molecular Weight**	639.8 g/mol
Appearance	White Lyophilized Powder	**Compound Concentration**	50mg
Sequence:	H-D-Arg-Dmt-Lys-Phe-NH2 (Dmt = 2,6-dimethyltyrosine)		



MOLECULAR STRUCTURE

SAMPLE IDENTIFICATION

Client-supplied, verified at intake

Container Size	3ml Glass Vial	**Cap Color**	White
Crimp / Seal Color	Silver		
Product Company	RENOVITA RESEARCH LLC		



CLIENT SAMPLE PHOTO

ANALYTICAL RESULTS

Test	Specification	Result	Status
Purity (HPLC)	>= 90.0%	**99.74%**	**PASS**
Mass Identification (LC-MS)	Conforms to declared compound	**SS-31**	**PASS**
Net Compound Content	90.0–110.0% of 50 mg	**52.09 mg**	**PASS**
Water Content (Karl Fischer)	<= 10.0%	**4.84%**	**PASS**
Acetate Content (HPLC)	< 12.0%	**4.01%**	**PASS**
Heavy Metals (ICP-MS)	< 10 ppm	**Not Detected**	**PASS**
Bacterial Endotoxins (LAL)	< 5 EU/mg	**Not Detected**	**PASS**
Mass Balance	95.0 – 105.0%	**Conforms**	**PASS**
Sterility (RMM)	USP <71>	**Not Requested**	-
pH (1 mg/mL in purified water, 25°C)	Report result	**Not Requested**	-

ANALYST NOTES

Sample received labeled as SS-31, 50 mg, white lyophilized powder.

Identity: LC-MS analysis of the principal peak (RT 5.00 min) produced a doubly charged ion at m/z 320.7 as the base peak, with the singly charged ion at m/z 640.4, a sodium adduct at m/z 662.4 and a minor triply charged ion at m/z 214.1, corresponding to a monoisotopic mass of 639.4 Da, consistent with SS-31 (elamipretide, CAS 736992-21-5, theoretical monoisotopic mass 639.4 Da). Identity result: Conforms.

Purity: 99.74% by HPLC-UV, principal peak relative to total integrated peak area. No related-substance peaks above the reporting threshold.

Net content: SS-31 quantified at 52.09 mg per vial against the compound calibration curve, 104.2% of label claim. Net content result: Conforms (within 90.0 to 110.0% of label).

Conclusion: Sample conforms to label for identity, purity and net content.

INSTRUMENT DATA

Traces behind the results above

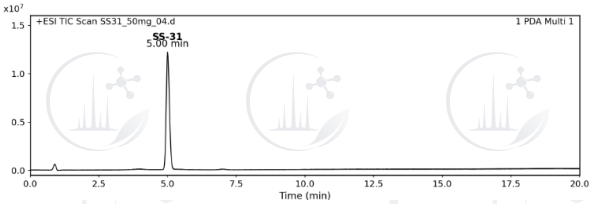


FIGURE 1 — TOTAL ION CHROMATOGRAM (LC-MS)

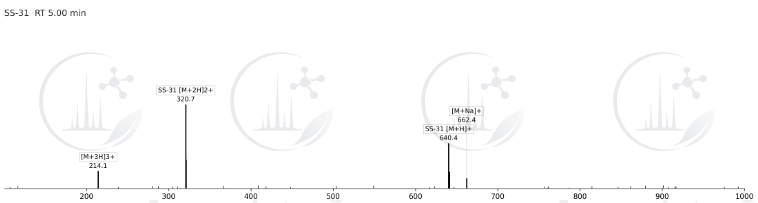


FIGURE 2 — MASS SPECTRUM, PRINCIPAL PEAK (LC-MS)

Lee Adams
Lab Director
COA: PMS-7351571023

The analysis reported herein was conducted using HPLC-UV and LC-MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The compounds tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables. The sample image included in this Certificate of Analysis was provided by the client during intake. For research use only.

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