Certificate of Analysis

FREEDOM DIAGNOSTICS

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Client:	Essential Amino
Accession #:	2609119025
Search Code:	Esse2609119025
Received:	9/11/2026
Reported:	9/12/2026
Lot:	BX-P-Y9A2

Sample Summary

Product:	SS-31 10mg	**Purity:**	Vial 1: 99.65% Vial 2: 99.63% Vial 3: 99.66%
Identity:	Confirmed	**Net Content:**	Vial 1: 13.03 mg Vial 2: 12.85 mg Vial 3: 13.21 mg
Appearance:	White Lyophilized Powder		
Microbial Analysis (PCR):	Pass		
Elemental Impurities (ICP-MS): As | Cd | Pb | Hg	**Pass**		
Fentanyl	No Fentanyl Detected		

Analytical Results

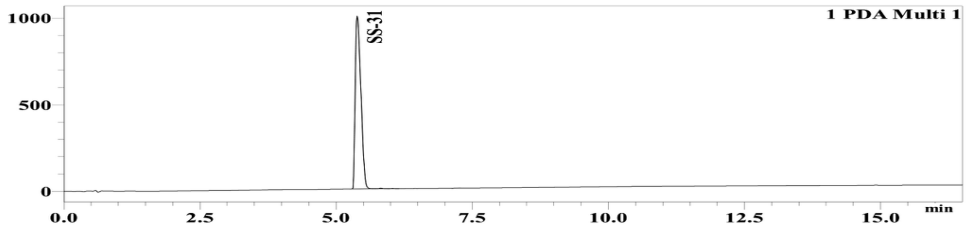
Test	Result
Identity (LC-MS)	SS-31
Purity (HPLC-UV)	99.65%
Elemental Impurities (ICP-MS)	Pass — Arsenic, Cadmium, Lead, and Mercury below reporting/specification limits
Net Content	13.03 mg

Method: Microbial detection performed using validated polymerase chain reaction (PCR)-based assay targeting common microbial contaminants.

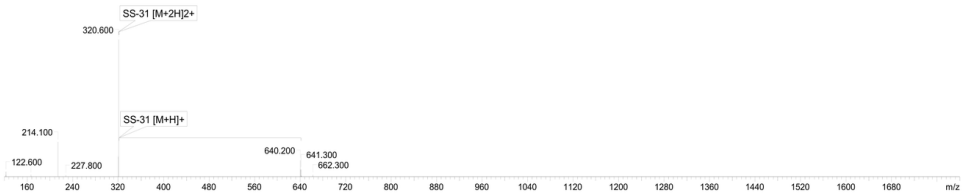
Microbial Analysis (PCR) No Detectable Microbial DNA

Method: HPLC with UV detection coupled with mass spectrometry (LC-MS).

Chromatogram



Mass Confirmation



Principal Chemist

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The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The peptides 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.