

CERTIFICATE OF ANALYSIS

COA #: **SD20260829_013_AOD5**

SAMPLE INFORMATION

Client	Zentra Brands Limited	Accession #	SD20260829_013
Compound	AOD-9604	Date Received	08/28/2026
Molecular Formula	C78H123N23O23S2	Date Reported	09/01/2026
Appearance	White lyophilized powder	Labeled Quantity	5mg
Sample Form	Lyophilized Vial	Lot / Batch #	ZC0024
Storage	Room Temp	CAS Number	221231-10-3
Cap Color	Purple		



All Chemical Analysis Performed by LC-MS/MS

ANALYTICAL RESULTS

Test / Analysis	Method	Specification	Result	Status
Identity (Mass Confirmation)	LC-MS/MS	Matches reference mass	AOD-9604	Pass
Purity	LC-MS/MS	≥ 95.0%	99.447%	Pass
Net Peptide Content	LC-MS/MS	Report value	5.31 mg	Pass
Observed Molecular Mass	LC-MS	Within ± 1.0 Da	m/z=607.4([M+2H] ²)	Pass
Theoretical Molecular Mass	Reference	—	~1208 Da	Pass
Related Substances / Impurities	LC-MS/MS	Report value	Not Detected	Pass
Residual Solvents	LC-MS/MS	Report value	Not Detected	Pass

John Humes, MS. **John Humes, MS.**
Analyzed by · Laboratory Analyst · 09/01/2026

Chetan Soni, PhD. **Chetan Soni, PhD.**
Approved by · Laboratory Director · 09/01/2026

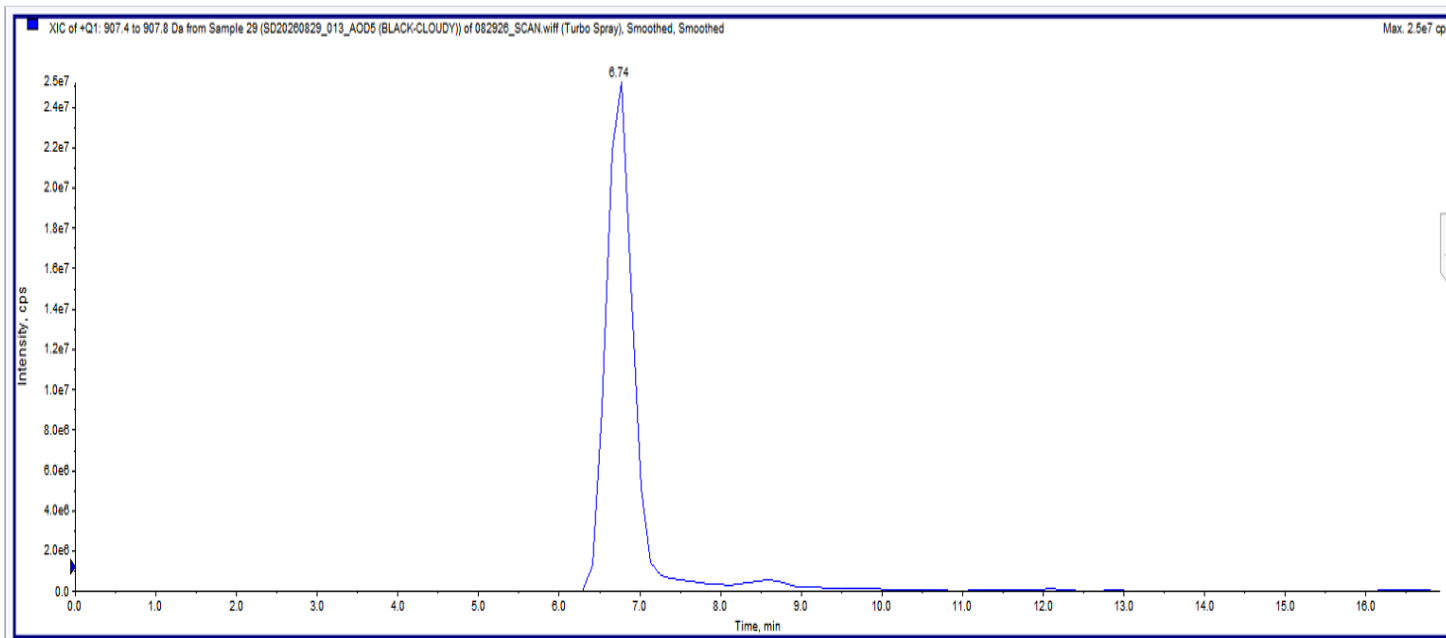
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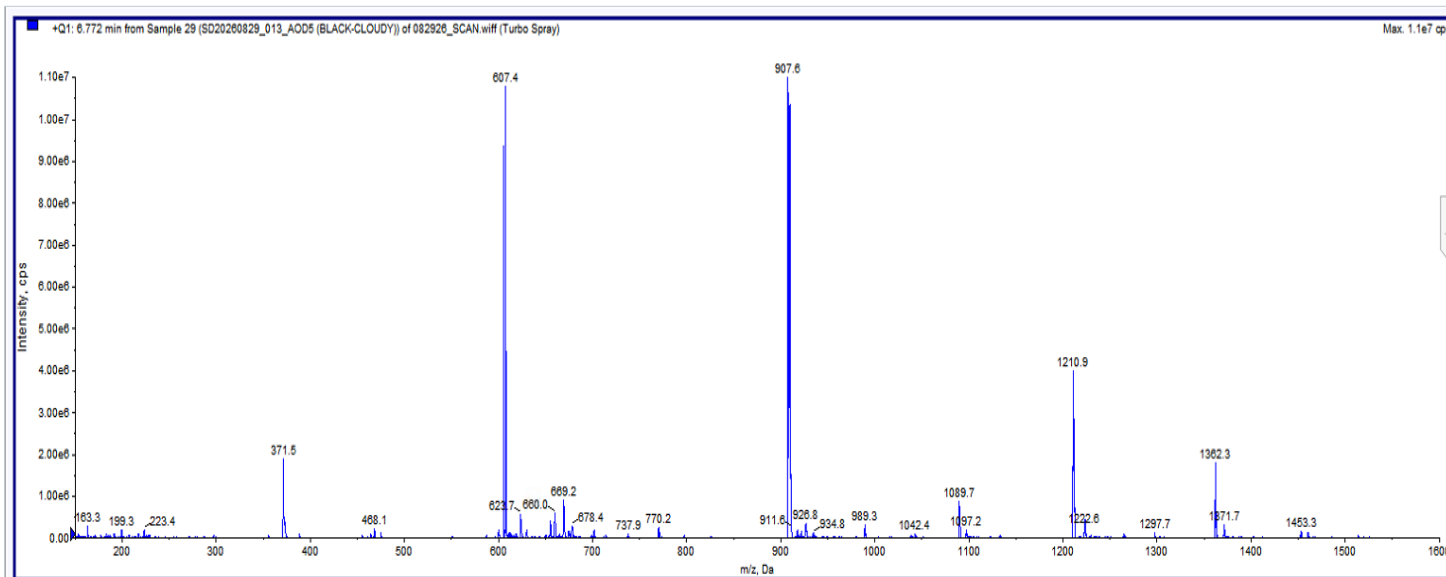
ANALYTICAL DATA

COA #: SD20260829_013_AOD5

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



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ANALYTICAL INTERPRETATION

Chromatogram

Retention Time Match

Mass Spectrum (LC-MS)

Analyte: AOD-9604

Sample ID: SD2020829_013_A0D5

Method (Identity): LC-MS, positive-mode Q1 full scan, TurboSpray ionization

Retention time: 6.772min

The Q1 full-scan spectrum at 6.772min shows a characteristic peptide profile with major ions at $m/z \approx 607.4([M+2H]^2)$ and $m/z \approx 1210.9([M+H])$, consistent with the expected charge-state distribution for AOD-9604 (MW ≈ 1208 Da). Additional ions at $m/z \approx 371.5, 607.4, 623.7, 660.0, 689.2, 737.9, 770.2, 907.6, 911.8, 928.8, 934.8, 989.3, 1042.4, 1089.7, 1097.2, 1222.6, 1297.7, 1362.3, 1371.7$, and 1453.3 correspond to fragment, adduct, and related species. The observed isotopic distribution, charge-state spacing, and retention time are consistent with the expected LC-MS profile for AOD-9604 under positive-mode ESI conditions.

Interpretation: Identity by LC-MS Q1 full scan — Confirmed (AOD-9604 detected; Q1 profile consistent with reference standard).

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