Analytical Testing Laboratory
7271 Engle Rd Unit 201A, Middleburg Heights, OH 44130
sonic-laboratories.com
Verify at sonic-laboratories.com/coa-lookup **Code: T6HLB3LK**

CERTIFICATE OF ANALYSIS

COA #: **SD20260820_007_KPV10**

SAMPLE INFORMATION

Client	Zentra brands limited	**Accession #**	SD20260820_007
Compound	KPV	**Date Received**	08/20/2026
Molecular Formula	C16H30N4O4	**Date Reported**	08/22/2026
Appearance	White lyophilized powder	**Labeled Quantity**	10mg
Sample Form	Lyophilized Vial	**Lot / Batch #**	ZC0027
Storage	Room Temp	**CAS Number**	67727-97-3
Cap Color	Clear		

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	KPV	**Pass**
Purity	LC-MS/MS	≥ 95.0%	99.047%	**Pass**
Net Peptide Content	LC-MS/MS	Report value	10.632 mg	**Pass**
Observed Molecular Mass	LC-MS	Within ± 1.0 Da	365 [M+Na]	**Pass**
Theoretical Molecular Mass	Reference	—	342.43 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 · 08/22/2026

Chetan Soni, PhD. **Chetan Soni, PhD.**
Approved by · Laboratory Director · 08/22/2026

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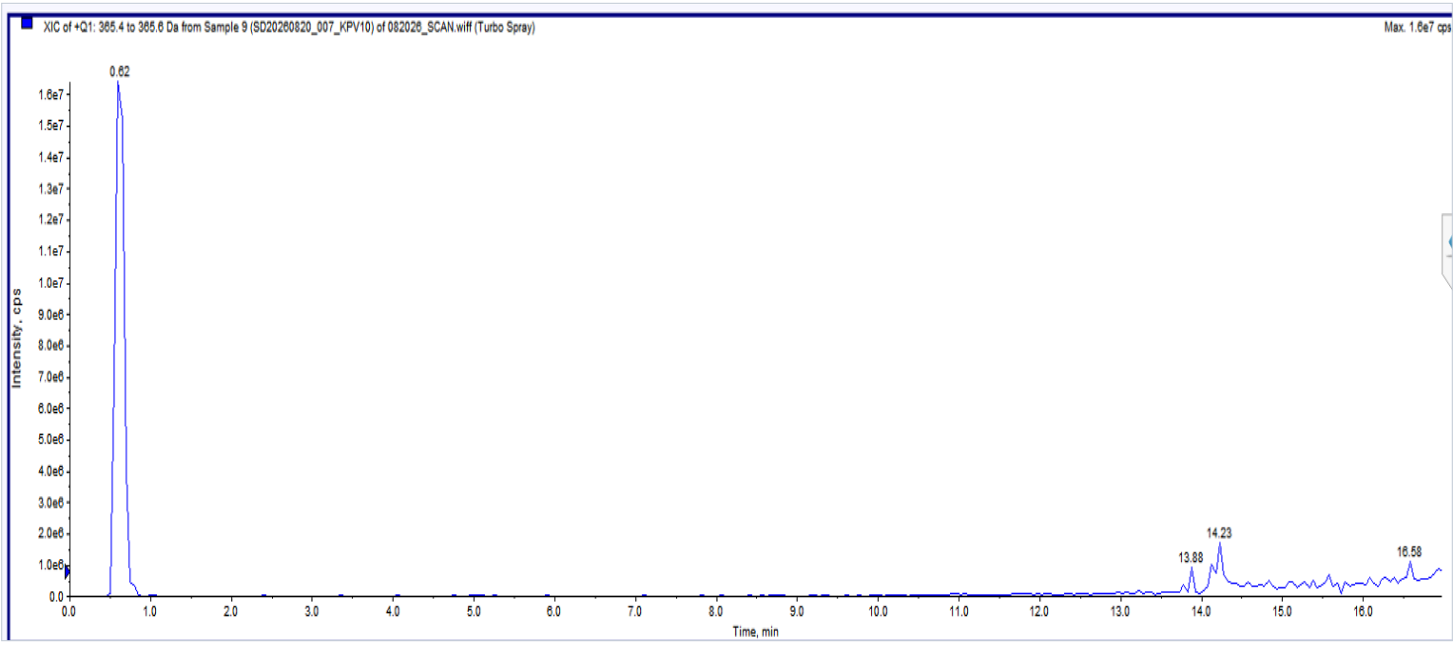
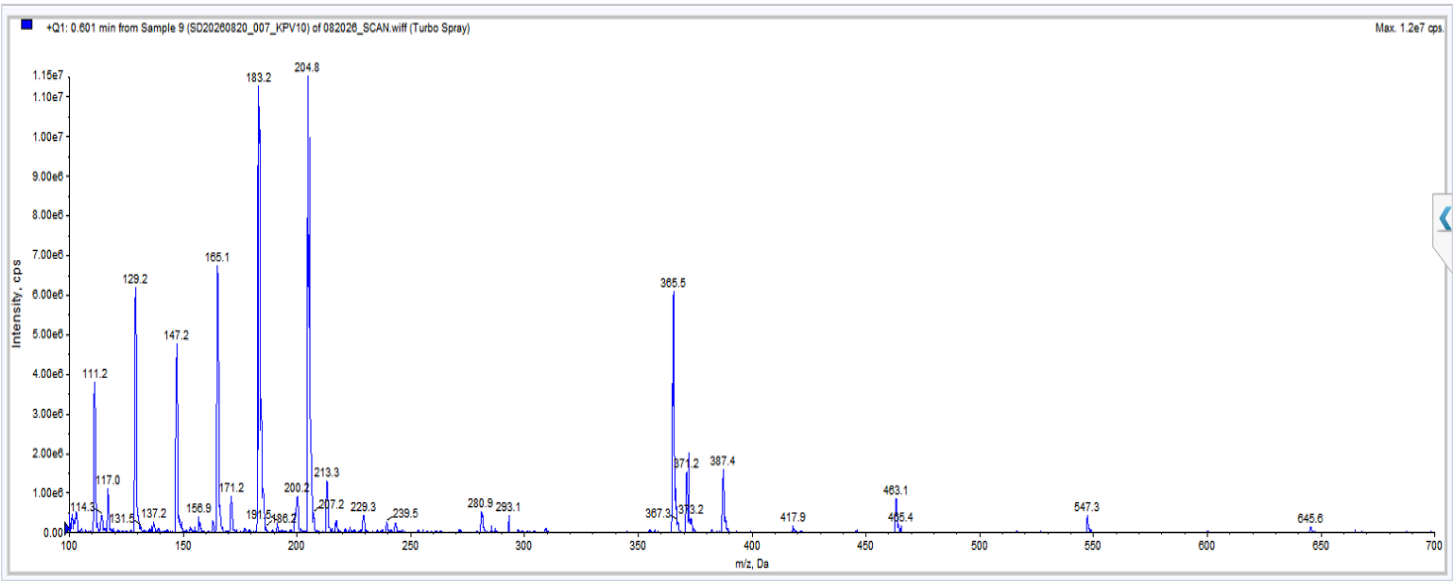
ANALYTICAL DATA

COA #: **SD20260820_007_KPV10**

CHROMATOGRAM



MASS SPECTRUM (LC-MS)



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ANALYTICAL INTERPRETATION

Chromatogram

Retention Time Match

Mass Spectrum (LC-MS)

KPV — Identity (Q1 MS)

The sample “KPV10” was analyzed by LC-MS in positive-mode Q1 full scan at RT=0.601min. The mass spectrum at this retention time shows multiple peptide-related ions, including peaks at m/z365.5, 371.2, 387.4, 417.9, 463.1, 465.4, 547.3, and 645.8, consistent with KPV and its adducts/related species under the conditions used. No significant alternative peptide-like molecular ions are observed at the KPV retention time, supporting assignment of the chromatographic peak to KPV.

Result: Identity by LC-MS Q1 full scan — Confirmed (KPV detected); Q1 profile consistent with high purity.

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