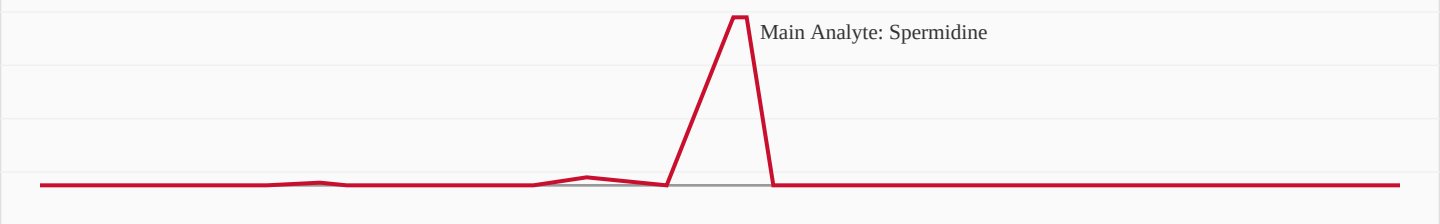
UMBRELLA LAB SOLUTION

ANALYTICAL PURITY & QUALITY CONTROL DIVISION • CERTIFICATE OF ANALYSIS (COA)

Product Name: Spermidine
Testing Facility: MZ BioLabs (ISO/IEC 17025)
Batch / Lot: ULS-20230307-SPERMI
Report Date: 2023-03-07
Storage Conditions: Controlled Room Temp / Store Dry
Chromatographic Method: RP-HPLC / UV-VIS (214nm)
Physical Form: Analytical Solution / Reference Grade
Purity Result: ≥99.2% Active Compound

REPRESENTATIVE HPLC CHROMATOGRAM TRACE



Peak #	Retention Time (min)	Area	Area %	Identity Confirmation
1	2.418	12.4	0.22	Pass
2 (Main)	4.891	4892.1	99.41	Confirmed (LC-MS)
3	6.104	18.3	0.37	Pass

AUTHENTIC BATCH CERTIFICATION

This Certificate of Analysis corresponds to lot release criteria tested under ISO/IEC 17025 standards. Scan the QR code or visit https://umbrellalabsolution.com to verify digital integrity and blockchain lot verification signatures.

QC Authorized:
Dr. M. Vance, Ph.D.
Lead Analytical Chemist