CRAFA
PEPTIDE & COMPOUND ANALYSIS

Independent Peptide & Research-Compound Testing
14 Mill Lane, Cambridge, United Kingdom

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-0161
Issued: 2026-09-07

PRODUCT IDENTIFICATION

PRODUCT Methylene Blue 20mg	SKU / INTERNAL CODE CRF-2026-0161	PRESENTATION Lyophilised powder, 20mg vial
BATCH NUMBER CRF-2026-0161	SAMPLE RECEIVED 2026-08-31	PRODUCTION DATE 2026-08-26
ANALYSIS DATE 2026-09-05	EXPIRY / RETEST DATE 2028-09-05	MOLECULAR FORMULA C16H18ClN3S
MOLECULAR WEIGHT (G/MOL) 319.85	CAS 61-73-4	

Research Use Only (RUO). Not for human or veterinary use, consumption, or clinical diagnosis.

Recorded methods: HPLC-UV · LC-MS · KF water content · Residual solvents (GC)

RESULTS

Test	Acceptance Criteria	Result	Verdict
HPLC Purity (% area)	≥98.0%	99.6%	PASS
Identity (LC-MS)	319.9 ±2%	Obs: 319.9 [M+H]+	PASS
Quantity found	95.0–105.0%	19.86 mg (99.3%)	PASS
Endotoxin	<1.0 EU/mg	N/A	N/A
Heavy metals	<10 ppm	All <LOQ	PASS

Detected Impurities

No impurity data recorded.

FINAL BATCH RESULT

PASS — Conforms to specifications

No chromatogram data recorded.

Analyst notes: Category: Longevity. Sample conforms to label claim and Gold panel acceptance criteria.

ANALYTICAL METHOD

INSTRUMENT Shimadzu LC-20AD	COLUMN C18 4.6×150mm	COLUMN TEMPERATURE 30°C
MOBILE PHASE A MeOH	MOBILE PHASE B H2O	FLOW RATE 1.0 mL/min
	INJECTION VOLUME 10 µL	SAMPLE CONCENTRATION 1.0 mg/mL
RETENTION TIME (MAIN PEAK) 5.5 min		

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