

Independent Research Testing Center  
875 Innovation Drive, Cambridge, MA 02139, USA

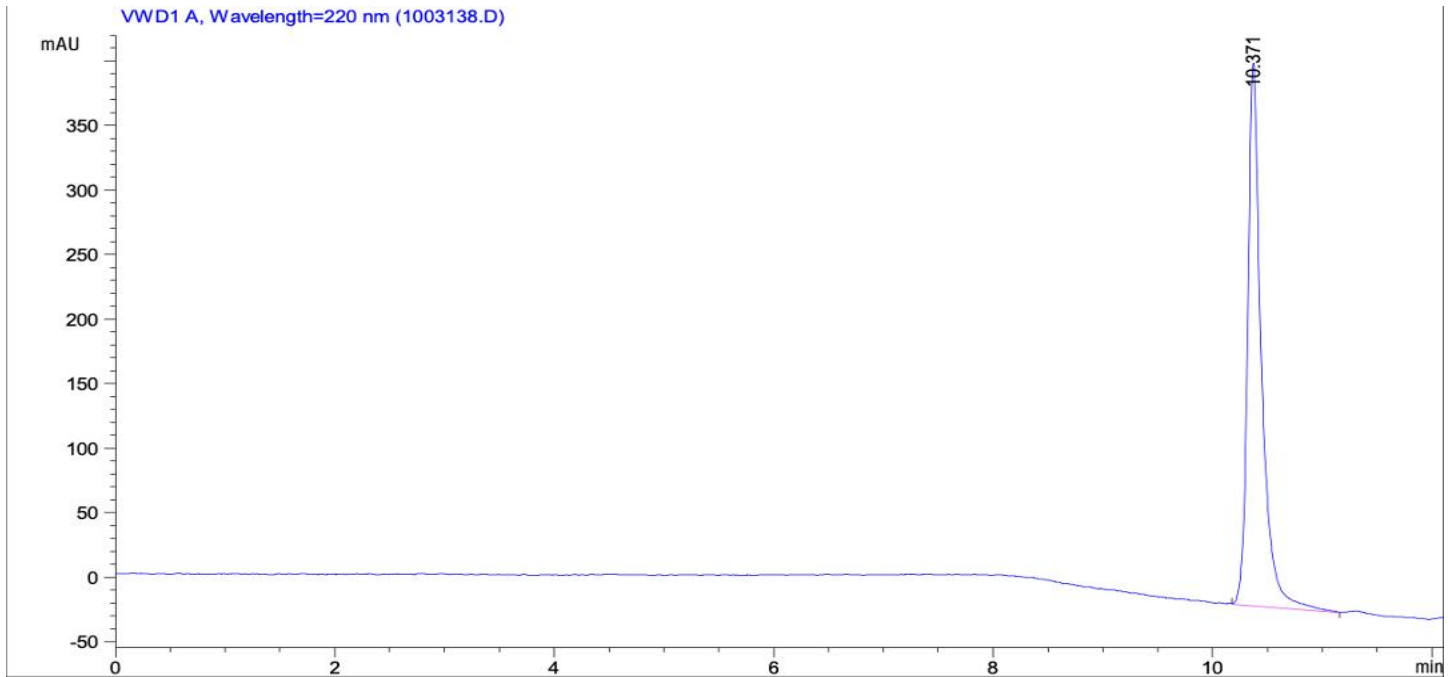
## CERTIFICATE OF ANALYSIS (COA)

|                        |                                                   |
|------------------------|---------------------------------------------------|
| Product Name           | MOTS-C 20 mg (Injectable Research Vial)           |
| Chemical Name          | MOTS-c (Mitochondrial ORF of the 12S rRNA type-c) |
| CAS Number             | 1627580-64-6                                      |
| Batch / Lot Number     | MOTSC200504                                       |
| Manufacturing Date     | 2026-05-04                                        |
| Retest / Expiry Date   | 2028-05-04                                        |
| Net Content            | 20 mg per vial                                    |
| Storage Conditions     | Store at 2–8°C, protected from light and moisture |
| Appearance             | White to off-white lyophilized powder             |
| Molecular Formula / MW | C101H152N28O22S2 / 2174.60 g/mol                  |

### Analytical Results

| Test Item       | Specification                         | Result    | Method       |
|-----------------|---------------------------------------|-----------|--------------|
| Identification  | Conforms                              | Conforms  | LC-MS        |
| Purity (HPLC)   | ≥98.0%                                | 98.97%    | HPLC         |
| Peptide Content | 95.0–105.0%                           | 100.3%    | HPLC         |
| Appearance      | White to off-white lyophilized powder | Conforms  | Visual       |
| Water Content   | ≤3.0%                                 | 0.9%      | Karl Fischer |
| Heavy Metals    | ≤10 ppm                               | <10 ppm   | ICP-MS       |
| Endotoxin       | <10 EU/mg                             | <10 EU/mg | LAL Test     |

# HPLC Chromatogram



*For laboratory research use only. Not for human consumption.*

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| Tester Name | Dr. Michael Carter                                                                   |
| Signature   |  |
| Test Date   | 2026-05-23                                                                           |