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**Certificate of Analysis**
#11239 | **BIOLABS2010**

**Client: Biolongevity Labs**
help@biolongevitylabs.com

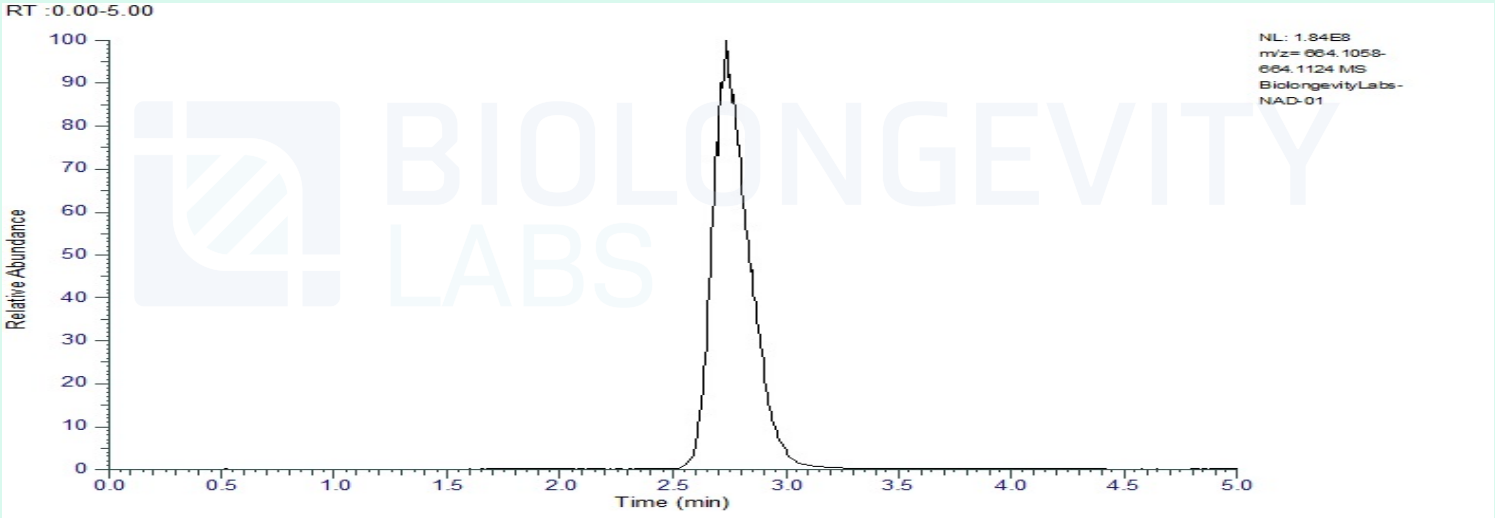
Sample received: **10/17/25**
Analysis conducted: **10/30/25**

| | | | |
|---|---|---|---|
| Compound: | NAD+ | CAS: | 53-84-9 |
| Batch/Lot #: | 65-2-45894 | Formula: | C21H27N7O14P2 |
| Appearance: | Orange lyophilized powder | Mol Wt: | 663.4 g/mol |

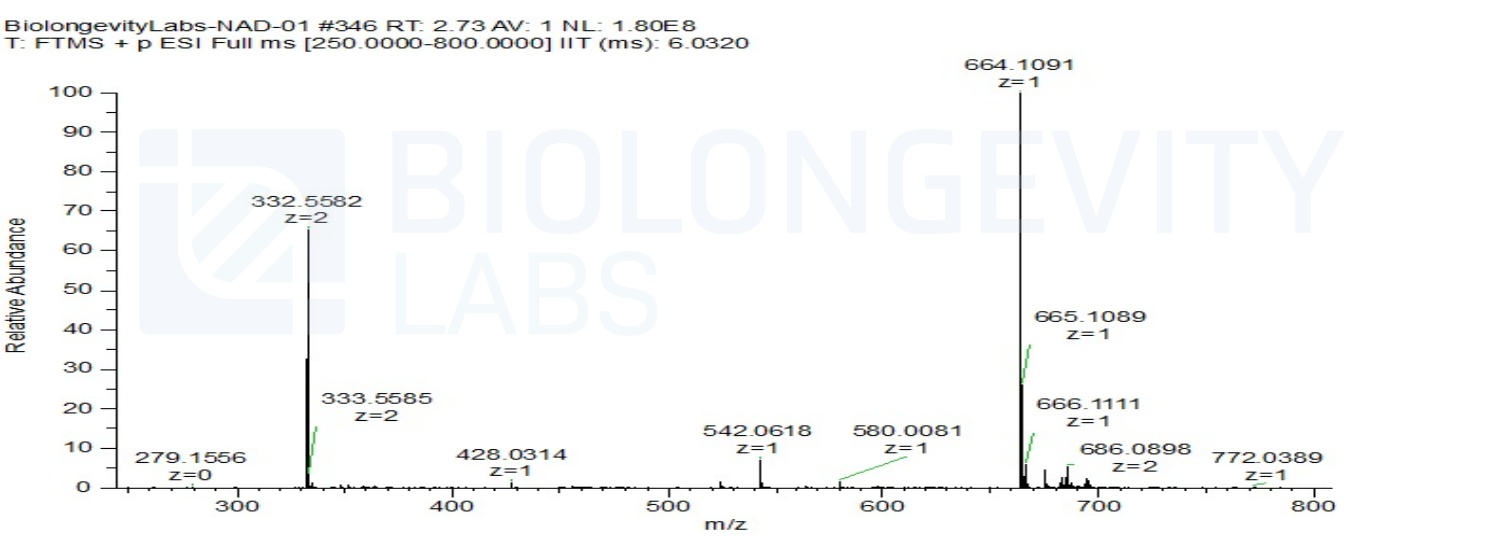
**Method:** Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry
**Pubchem CID:** 10897651
NAD+ | C21H27N7O14P2 | CID 10897651

| | Specification | Result | |
|---|---|---|---|
| Identity Test: | NAD+ | **NAD+** | **Conforms** |
| Quantity: | 100 mg ± 15% | 112.4 mg | **Conforms** |
| Purity: | >99% | **99.86%** | **Conforms** |

## LC-MS Chromatogram: Retention Time and Peak Analysis



## Full Scan Mass Spectrometry Analysis




**Analysis Performed by**
Dr. Roberto Marin
Analytical Chemist
contact@bioregen.com

Roberto Marin

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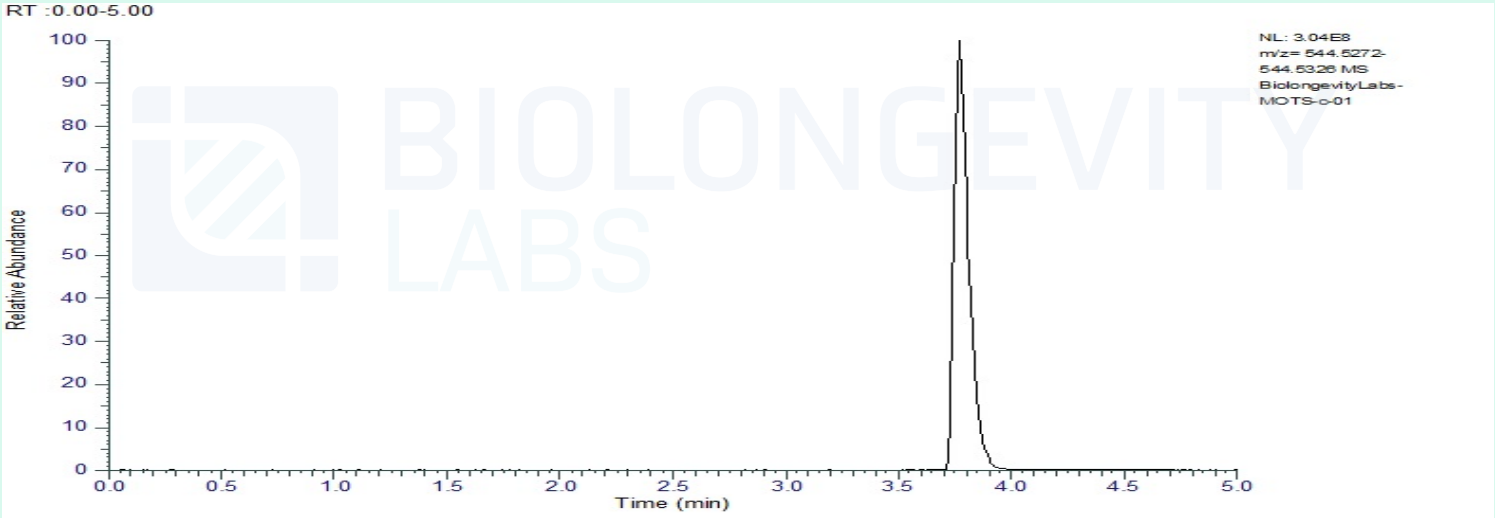
Sample received: **10/17/25**
Analysis conducted: **10/30/25**

| | | | |
|---|---|---|---|
| Compound: | MOTS-c | CAS: | 1627580-64-6 |
| Batch/Lot #: | 65-2-45894 | Formula: | C101H152N28O22S2 |
| Appearance: | Orange lyophilized powder | Mol Wt: | 2174.6 g/mol |

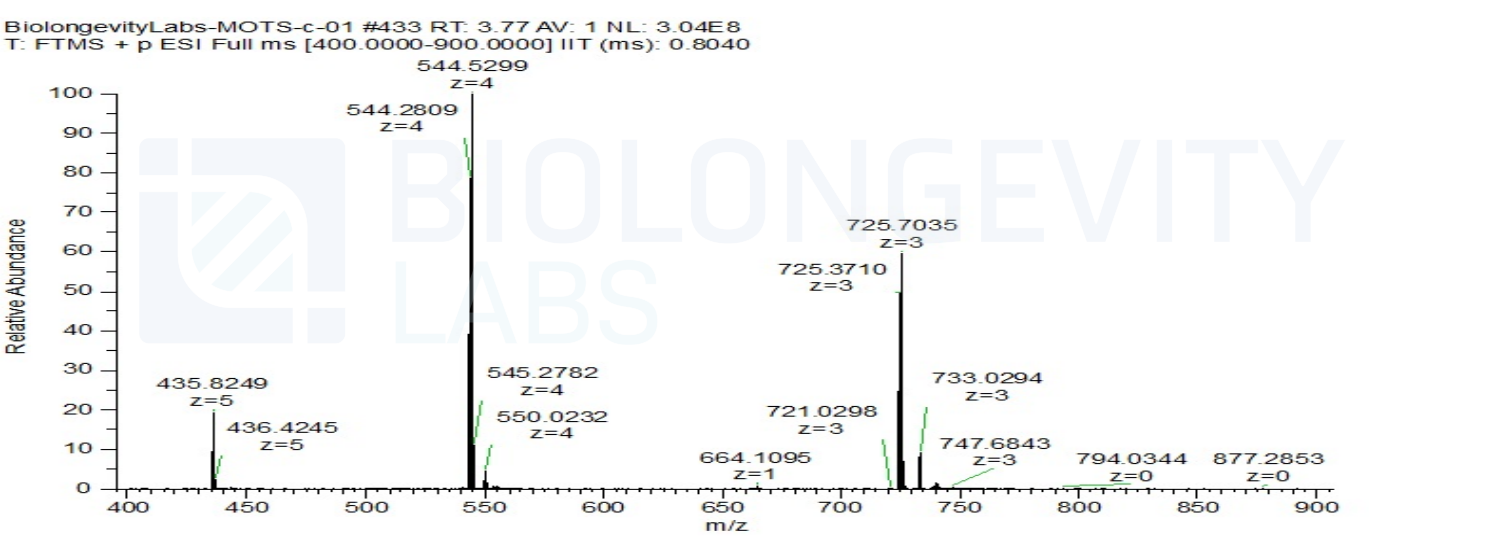
**Method:** Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry
**Pubchem CID:** 146675088
MOTS-c | C101H152N28O22S2 | CID 146675088

| | Specification | Result | |
|---|---|---|---|
| Identity Test: | MOTS-c | **MOTS-c** | **Conforms** |
| Quantity: | 10 mg ± 15% | 9.89 mg | **Conforms** |
| Purity: | >99% | **99.83%** | **Conforms** |

## LC-MS Chromatogram: Retention Time and Peak Analysis



## Full Scan Mass Spectrometry Analysis




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Sample received: **10/17/25**
Analysis conducted: **10/30/25**

| | | | |
|---|---|---|---|
| Compound: | 5-amino-1-methylquinolinium iodide | CAS: | 42464-96-0 |
| Batch/Lot #: | 65-2-45894 | Formula: | C10H11IN2 |
| Appearance: | Orange lyophilized powder | Mol Wt: | 286.11 g/mol |

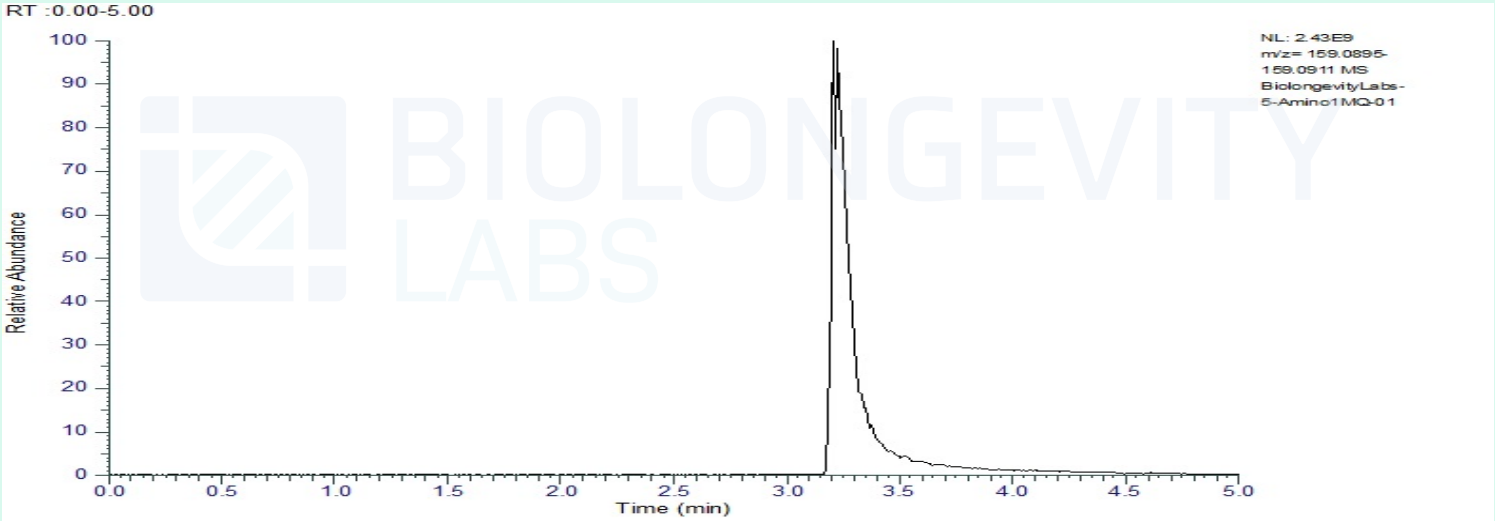
**Method:** Qualitative and Quantitative chemical analysis by Ultra High Performance Liquid Chromatography with Mass Spectrometry

**Pubchem CID:** 66522933

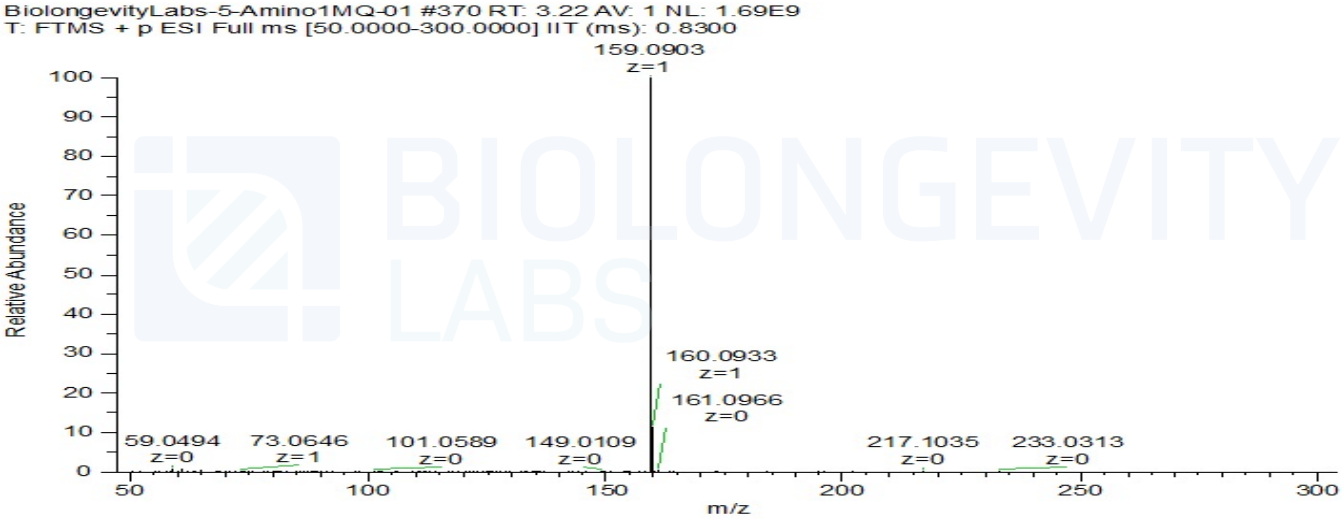
5-amino-1-methylquinolinium iodide | C10H11IN2 | CID 66522933

| | Specification | Result | |
|---|---|---|---|
| Identity Test: | 5-Amino-1MQ | **5-Amino-1MQ** | **Conforms** |
| Quantity: | 10 mg ± 15% | 11.20 mg | **Conforms** |
| Purity: | 99% | **99.87%** | **Conforms** |

## LC-MS Chromatogram: Retention Time and Peak Analysis



## Full Scan Mass Spectrometry Analysis




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