

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

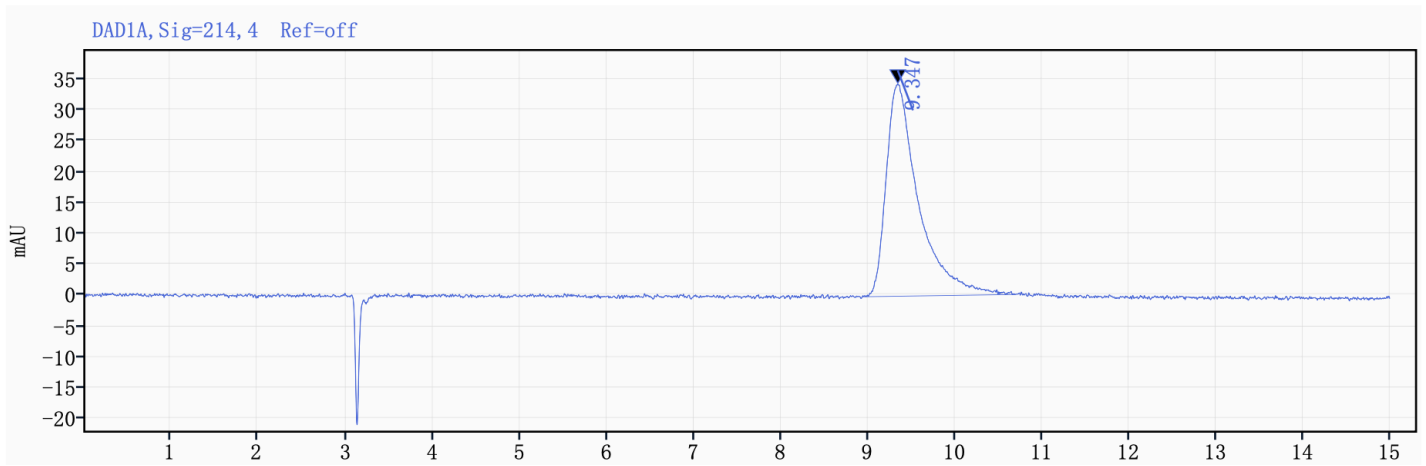
## CERTIFICATE OF ANALYSIS (COA)

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| Product Name           | NAD+ 100 mg (Injectable Research Vial)                                                       |
| Chemical Name          | NAD+ ( $\beta$ -Nicotinamide adenine dinucleotide)                                           |
| CAS Number             | 53-84-9                                                                                      |
| Batch / Lot Number     | NAD100-0502                                                                                  |
| Manufacturing Date     | 2026-08-02                                                                                   |
| Retest / Expiry Date   | 2028-08-02                                                                                   |
| Net Content            | 100 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 | C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> O <sub>14</sub> P <sub>2</sub> / 663.43 g/mol |

### Analytical Results

| Test Item       | Specification                         | Result       | Method       |
|-----------------|---------------------------------------|--------------|--------------|
| Identification  | Conforms                              | Conforms     | LC-MS        |
| Purity (HPLC)   | $\geq 98.0\%$                         | 99.55%       | HPLC         |
| Peptide Content | 95.0–105.0%                           | 100.7%       | HPLC         |
| Appearance      | White to off-white lyophilized powder | Conforms     | Visual       |
| Water Content   | $\leq 3.0\%$                          | 0.6%         | Karl Fischer |
| Heavy Metals    | $\leq 10$ 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   | <i>Michael Carter</i> |
| Test Date   | 2026-08-25            |