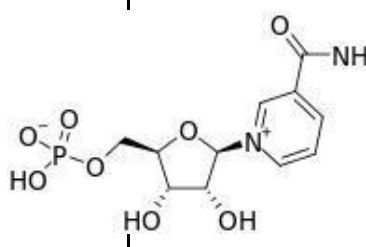




We Bring Natural Ingredient From Nature

Shaanxi Guanjie Technology Co., Ltd.

### Certificate of Analysis

|                                |   |   |
|--------------------------------|---|---|
| PRODUCT NAME                   | Nicotinamide Mononucleotide                                     | <b>Structure</b><br> |
| STANDARD TYPE                  | Dietary Ingredient Bulk Material                                |   |
| LOT NUMBER                     | NMN210823   |   |
| DATE OF MANUFACTURE            | 08/23/2021  |   |
| DATE OF ASSAY                  | 08/26/2021  |   |
| DATE OF EXPIRY                 | 08/22/2023  |   |
| CHEMICAL NAMES                 | β-Nicotinamide Mononucleotide                                   |   |
| CHEMICAL FORMULA               | C <sub>11</sub> H <sub>15</sub> N <sub>2</sub> O <sub>8</sub> P |   |
| MELICULAR WEIGHT(MW)           | 334.2   |   |
| Maximum absorption wave length | 260 nm  |   |
| CHEMICAL FAMILY                | Vitamin Derivatives   |   |
| CAS NUMBER                     | 1094-61-7   |   |

| Test Items                       | Specification   | Results |
|----------------------------------|---|---------|
| Appearance                       | White to yellowish powder   | Conform |
| Purity(HPLC)                     | $\geq 98\%$   | 99.8%   |
| Sodium content(IC)               | $\leq 1\%$  | 0.0037% |
| Water content(KF)                | $\leq 5\%$  | 0.46%   |
| PH Value in water(100mg/ml)      | 2.0-4.0   | 3.26    |
| Heavy metal content(AAS)         |   |         |
| Pb                               | $\leq 0.5\text{ppm}$  | Conform |
| As                               | $\leq 0.5\text{ppm}$  | Conform |
| Hg                               | $\leq 0.5\text{ppm}$  | Conform |
| Cd                               | $\leq 0.5\text{ppm}$  | Conform |
| Total microbial count (GB4789.2) | $\leq 750\text{CFU/g}$  | 3CFU/g  |
| Coliform (GB 4789.3)             | $< 3\text{MPN/g}$   | N.D     |
| Ethanol (By GC)                  | $\leq 2\%$  | 0.019%  |
| Conclusion                       | Conform with all requested specifications   |         |
| STORAGE CONDITIONS               | Keep dry and away from light, long term storage at $-25^{\circ}\text{C}$ to $-15^{\circ}\text{C}$ |         |

Tested by: Liu gang

Date: 2021.08.26

Approved by: Susan Sun, Ph.D

Date: 2021.08.26

