

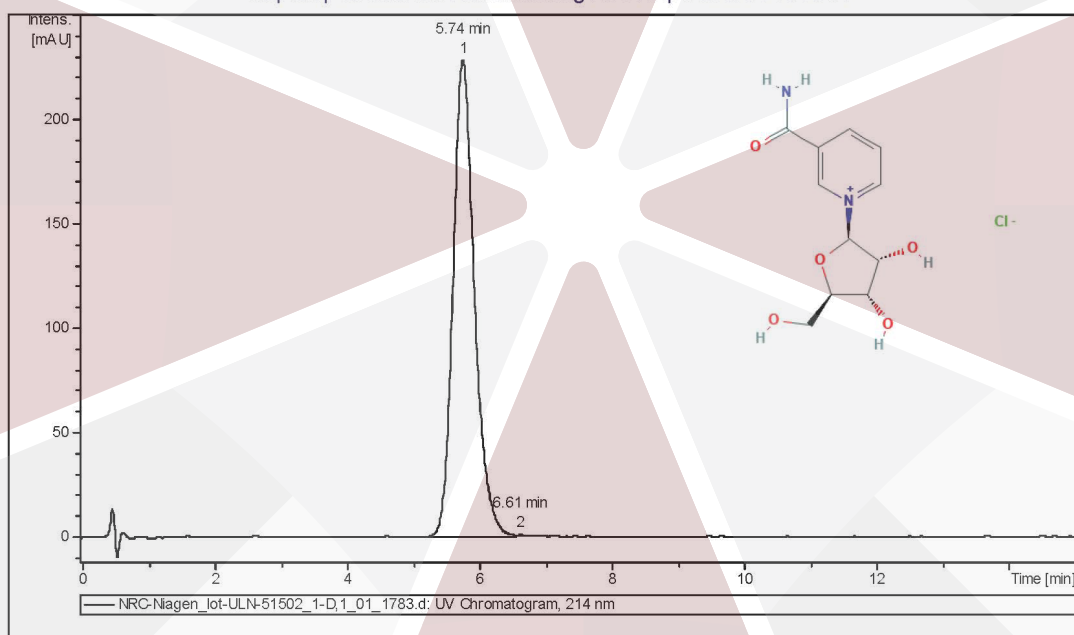
# Certificate of Analysis

## Nicotinamide riboside chloride

1-[(2R,3R,4S,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]pyridin-1-ium-3-carboxamide;chloride

|                      |                                   |                |                                 |
|----------------------|-----------------------------------|----------------|---------------------------------|
| <b>Compound</b>      | : <b>NRC</b>                      | <b>Client</b>  | : <b>UMBRELLA.us</b>            |
| <b>Lot number</b>    | : <b>ULN-51502</b>                | <b>Address</b> | : <b>3280 E Hemisphere Loop</b> |
| <b>Analysis date</b> | : <b>2023-01-19</b>               | <b>City</b>    | : <b>Tucson, Arizona 85706</b>  |
| <b>Purity %</b>      | : <b>99.9%</b>                    |                |                                 |
| <b>Method</b>        | : <b>Mass Spectrometry and UV</b> |                |                                 |


PubChem CID: 90480033  
<https://pubchem.ncbi.nlm.nih.gov/compound/90480033>



| PEAK LIST   | Number of detected peaks: 2 |             |            |
|-------------|-----------------------------|-------------|------------|
| Time (min)  | Area                        | %Area       |            |
| <b>5.74</b> | <b>5.08E+03</b>             | <b>99.9</b> | <b>NRC</b> |
| 6.61        | 3.15E+00                    | 0.1         |            |

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
 MZ Biolabs  
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Purity determined using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass : 255.1 g  
 Measured mass : 255.1 g  
 Molecular weight confirmed



2023-01-20