

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-22 08:42:02

Date of Next Testing: 2029-07-21 08:42:02

Product Name: **2-Pyrrolidone-5-carboxylic acid, sodium salt**

CAS Number: 54571-67-4

Specifications & Purity: 50 wt.% solution in water

Lot #: G2521503

SKU #: **S300331**

Version: **2**

Analysis #: **537509**

Storage Temperature: Room temperature

| Parameter                               | Limit Values          | Result                |
|-----------------------------------------|-----------------------|-----------------------|
| Purity(Titration by HClO <sub>4</sub> ) | 47.5-52.5 (%)         | 49.32000 %            |
| Water by Karl Fischer                   | 47.5 -52.5 (%)        | 52.49000 %            |
| Proton NMR spectrum                     | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager