

## Certificate of Analysis

Date of Testing: 2022-12-12 13:38:12

Date of Next Testing: 2026-12-11 13:38:12

Product Name: **Pyrrolidine Hydrochloride**

CAS Number: 25150-61-2

Specifications & Purity:  $\geq 98\%$ (T)

Lot #: L2205314

SKU #: **P160143**

Version: **0**

Analysis #: **167251**

Storage Temperature: Argon charged

| Parameter                               | Limit Values          | Result                |
|-----------------------------------------|-----------------------|-----------------------|
| Purity(Titration by AgNO <sub>3</sub> ) | 97.5-102.5 (%)        | 99.15 %               |
| Proton NMR spectrum                     | Conforms to Structure | Conforms to Structure |

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

John Su  
QA & QC Manager