

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-07 10:21:29

Date of Next Testing: 2027-06-06 10:21:29

Product Name: **piperidin-3-one hydrochloride**

CAS Number: 61644-00-6

Specifications & Purity: 95%

Lot #: E23301162

SKU #: **P301951**

**Analysis:** **237007**

Storage Temperature: Room temperature, Argon charged

| Parameter                                | Limit Values          | Result                |
|------------------------------------------|-----------------------|-----------------------|
| Carbon by Elemental Analysis(Dry base)   | 42.04-46.46 (%)       | 42.34760 %            |
| Nitrogen by Elemental Analysis(Dry base) | 9.81-10.85 (%)        | 9.87430 %             |
| Water by Karl Fischer                    | 0-4 (%)               | 1.10 %                |
| Proton NMR spectrum                      | Conforms to Structure | Conforms to Structure |

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

John Su  
QA & QC Manager