

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-20 16:11:32

Date of Next Testing: 2028-12-19 16:11:32

Product Name: **N-Boc-DL-pipecolinic acid**

CAS Number: 98303-20-9

Specifications & Purity:  $\geq 98\%$

Lot #: C1308089

SKU #: **B121559**

Version: **1**

Analysis #: **432146**

Storage Temperature: Room temperature

| Parameter                        | Limit Values                          | Result                                |
|----------------------------------|---------------------------------------|---------------------------------------|
| Carbon by Elemental Analysis     | 56.1-59.1 (%)                         | 56.10000 %                            |
| Nitrogen by Elemental Analysis   | 5.9-6.3 (%)                           | 6.02000 %                             |
| Purity(Neutralization titration) | 98-102 (%)                            | 98.12000 %                            |
| Melting point                    | 129-133 (°C)                          | 131.65000 °C                          |
| Purity(HPLC)                     | 98-100 (%)                            | 100.00000 %                           |
| Appearance (B121559)             | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Infrared spectrum                | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager