

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-26 15:36:59

Date of Next Testing: 2026-11-25 15:36:59

Product Name: **N-Boc-ethylenediamine hydrochloride**

CAS Number: 79513-35-2

Specifications & Purity: 98%

Lot #: K2223157

SKU #: **B123469**

**Analysis:** **118453**

Storage Temperature: Argon charged

| Parameter                      | Limit Values                          | Result                                |
|--------------------------------|---------------------------------------|---------------------------------------|
| Nitrogen by Elemental Analysis | 13.4-14.9 (%)                         | 14.05 %                               |
| Carbon by Elemental Analysis   | 41.3-43.5 (%)                         | 41.95 %                               |
| Purity                         | 98-100 (%)                            | 99.99 %                               |
| Appearance (B123469)           | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum            | Conforms to Structure                 | Conforms to Structure                 |

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

John Su  
QA & QC Manager