

## Certificate of Analysis

Date of Testing: 2023-04-03 12:35:58  
Date of Next Testing: 2027-04-02 12:35:58  
Product Name: **4-Amino-1-Boc-piperidine hydrochloride**  
CAS Number: 189819-75-8  
Specifications & Purity: 97%  
Lot #: C2325070  
SKU #: **A121576**  
Analysis: **180485**

| Parameter                               | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Purity(Titration by AgNO <sub>3</sub> ) | 96.5-103.5 (%)        | 103.17 %              |
| Appearance (A121576)                    | off-white solid       | off-white solid       |
| Proton NMR spectrum                     | Conforms to Structure | Conforms to Structure |
| Infrared spectrum                       | Conforms to Structure | Conforms to Structure |



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QA & QC Manager