

Certificate of Analysis

Date of Testing: 2025-03-07 11:34:41

Date of Next Testing: 2028-03-06 11:34:41

Product Name: **(R)-1-N-Boc-4-N-Boc-Piperazine-2-Carboxylic Acid**

CAS Number: 173774-48-6

Specifications & Purity: $\geq 97\%$

Lot #: F2204612

SKU #: **R182094**

Version: **0**

Analysis #: **480096**

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.86300 %
Appearance (R182094)	White to off-white solid	White to off-white solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager