

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-02-23 16:44:27
Date of Next Testing: 2027-02-22 16:44:27
Product Name: **1-Boc-piperazine**
CAS Number: 57260-71-6
Specifications & Purity: $\geq 98\%$
Lot #: B2318965
SKU #: **B106917**
Version: **1**
Analysis #: **184280**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.81700 %
Purity(NonaqueousTitration)	97.5-102.5 (%)	99.60000 %
Melting point	44-48 (°C)	47.90000 °C
Appearance (B106917)	white to light yellow solid	white to light yellow solid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager