

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-11-10 15:30:40
 Date of Next Testing: 2026-11-09 15:30:40
 Product Name: **5-bromopyrazine-2,3-diamine**
 CAS Number: 89123-58-0
 Specifications & Purity: $\geq 98\%$
 Lot #: K2306032
 SKU #: **B178041**
 Version: **2**
 Analysis #: **287419**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.73100 %
Appearance(B178041)	white to off-white to brown powder to crystal	White to off-white to brown powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager