

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-14 15:16:15
 Date of Next Testing: 2024-11-03 15:16:15
 Product Name: **4-Bromopyrazole**
 CAS Number: 2075-45-8
 Specifications & Purity: $\geq 99\%$
 Lot #: F1525001
 SKU #: **B119149**
 Version: **0**
 Analysis #: **155048**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	98.5-101.5 (%)	99.20000 %
Purity(GC)	99-100 (%)	99.14200 %
Melting point	95-99 (°C)	97.30000 °C
Appearance (B119149)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager