

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-02-13 10:10:00  
 Date of Next Testing: 2027-02-03 10:10:00  
 Product Name: **1-Bromo-4-chloro-2-nitrobenzene**  
 CAS Number: 41513-04-6  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: E2325302  
 SKU #: **B113804**  
 Version: **2**  
 Analysis #: **469608**  
 Storage Temperature: Protected from light, Room temperature

| Parameter                                        | Limit Values                       | Result                             |
|--------------------------------------------------|------------------------------------|------------------------------------|
| Purity(GC)                                       | 99-100 (%)                         | 99.09800 %                         |
| Melting point                                    | 68-72 (°C)                         | 70.19800 °C                        |
| Purity(O2 AgNO3 titration with after combustion) | 98.5-101.5 (%)                     | 99.78000 %                         |
| Appearance (B113804)                             | Yellow to Brown Powder or Crystals | Yellow to Brown Powder or Crystals |
| Proton NMR spectrum                              | Conforms to Structure              | Conforms to Structure              |



John Su  
QA & QC Manager