

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-30 18:23:19

Date of Next Testing: 2028-06-29 18:23:19

Product Name: **3-Chloro-4-(4-methylpiperazin-1-yl)benzenamine**

CAS Number: 16154-72-6

Specifications & Purity:  $\geq 98\%$

Lot #: F2520288

SKU #: **C191267**

Version: **1**

Analysis #: **444927**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter                | Limit Values                                      | Result                                            |
|--------------------------|---------------------------------------------------|---------------------------------------------------|
| Purity(HPLC)             | 98-100 (%)                                        | 99.80700 %                                        |
| Proton NMR spectrum      | Conforms to Structure                             | Conforms to Structure                             |
| LC-MS for identification | Conforms                                          | Conforms                                          |
| Appearance(C191267)      | Off-white to yellow to flesh pink to gray (Solid) | Off-white to yellow to flesh pink to gray (Solid) |

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

John Su  
QA & QC Manager