

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-06 09:04:16

Date of Next Testing: 2027-06-05 09:04:16

Product Name: **N-Boc-m-phenylenediamine**

CAS Number: 68621-88-5

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: E2326163

SKU #: **B131604**

Version: **0**

Analysis #: **075754**

Storage Temperature: Room temperature, Argon charged

| Parameter                    | Limit Values                                                 | Result                                                       |
|------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| Purity(HPLC)                 | 98-100 (%)                                                   | 98.35700 %                                                   |
| Nitrogen                     | 12.9-13.86 (%)                                               | 13.47000 %                                                   |
| Hydrogen                     | 7.49-7.89 (%)                                                | 7.81900 %                                                    |
| Carbon by Elemental Analysis | 62.9-63.8 (%)                                                | 63.75000 %                                                   |
| Melting point                | 110-114 (°C)                                                 | 110.21000 °C                                                 |
| Proton NMR spectrum          | Conforms to Structure                                        | Conforms to Structure                                        |
| Appearance (B131604)         | White to Yellow to Beige to Gray to Brown Powder or Crystals | White to Yellow to Beige to Gray to Brown Powder or Crystals |



John Su  
QA & QC Manager