

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-15 13:23:51  
Date of Next Testing: 2026-02-14 13:23:51  
Product Name: **N,N-Dimethyl-p-phenylenediamine monohydrochloride**  
CAS Number: 2052-46-2  
Specifications & Purity: 95%  
Lot #: B2308671  
SKU #: **I168425**  
**Analysis: 188323**  
Storage Temperature: Store at -20°C

| Parameter                       | Limit Values              | Result                    |
|---------------------------------|---------------------------|---------------------------|
| Purity(HPLC)                    | 95-100 (%)                | 98.07600 %                |
| Purity (Argentmetric Titration) | 94.5-105.5 (%)            | 103.88 %                  |
| Appearance (I168425)            | Light Grey to Grey Powder | Light Grey to Grey Powder |
| Proton NMR spectrum             | Conforms to Structure     | Conforms to Structure     |



John Su  
QA & QC Manager