

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-31 08:49:36

Date of Next Testing: 2029-03-30 08:49:36

Product Name: **N,N-Dimethyl-p-phenylenediamine sulfate salt**

CAS Number: 536-47-0

Specifications & Purity: AR, ≥98%

Lot #: C2528640

SKU #: **D105596**

Version: **0**

Analysis #: **197710**

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

| Parameter                                                                           | Limit Values                                               | Result                                                     |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Nitrogen by Elemental Analysis                                                      | 11.6-12.3 (%)                                              | 11.96000 %                                                 |
| Carbon by Elemental Analysis                                                        | 40-42 (%)                                                  | 41.40000 %                                                 |
| Purity(Neutralization titration)                                                    | 97.5-102.5 (%)                                             | 99.20000 %                                                 |
| Purity(HPLC)                                                                        | 98-100 (%)                                                 | 98.70000 %                                                 |
| Appearance (D105596)                                                                | white to yellow, grey, brown to black powder crystal chunk | white to yellow, grey, brown to black powder crystal chunk |
| Proton NMR spectrum                                                                 | Conforms to Structure                                      | Conforms to Structure                                      |
| Solubility in H <sub>2</sub> O , Colorless to yellow or Pink Clear to Hazy(50mg/ml) | pass                                                       | Pass                                                       |



John Su  
QA & QC Manager