

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-02-13 15:48:34  
Date of Next Testing: 2029-02-12 15:48:34  
Product Name: **N,N-Dimethyl-p-phenylenediamine sulfate salt**  
CAS Number: 536-47-0  
Specifications & Purity: AR, ≥98%  
Lot #: B2510094  
SKU #: **D105596**  
Version: **0**  
Analysis #: **303667**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	11.6-12.3 (%)	11.92900 %
Carbon by Elemental Analysis	40-42 (%)	40.77000 %
Purity(Neutralization titration)	97.5-102.5 (%)	99.63200 %
Purity(HPLC)	98-100 (%)	99.67400 %
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