

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-19 10:47:46  
Date of Next Testing: 2028-01-18 10:47:46  
Product Name: **N,N-Dimethyl-p-phenylenediamine sulfate salt**  
CAS Number: 536-47-0  
Specifications & Purity: Analytical Reagent,98.0%  
Lot #: A2411419  
SKU #: **D105596**  
**Analysis:** **304087**  
Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	11.6-12.3 (%)	11.95 %
Carbon by Elemental Analysis	40-42 (%)	40.76 %
Purity(Neutralization titration)	97.5-102.5 (%)	99.70 %
Purity(HPLC)	98-100 (%)	99.62000 %
Appearance (D105596)	white to yellow, grey,brown to black powder crystal chunk	white to yellow, grey,brown to black powder crystal chunk
Solubility in H <sub>2</sub> O , Colorless to yellow or Pink Clear to Hazy(50mg/ml)	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager