

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-27 11:33:44  
Date of Next Testing: 2027-09-26 11:33:44  
Product Name: **4-Nitro-o-phenylenediamine**  
CAS Number: 99-56-9  
Specifications & Purity: 97%  
Lot #: I2321661  
SKU #: **N109498**  
Analysis: **273797**

Parameter	Limit Values	Result
2,4-Dinitroaniline	0-1 (%)	0.23%
Purity(HPLC)	97-100 (%)	98.37900%
Melting point	198-205 (°C)	204.60000 °C
Appearance (N109498)	Orange to Red powder	Orange to Red powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in EtOH/1N HCl (3/2)	Orange to Dark Red Brown, Clear to Turbid, 50mg/ml	Orange to Dark Red Brown, Clear to Turbid, 50mg/ml



John Su  
QA & QC Manager