

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-27 11:32:22
Date of Next Testing: 2027-09-26 11:32:22
Product Name: **4-Nitro-o-phenylenediamine**
CAS Number: 99-56-9
Specifications & Purity: 97%
Lot #: I2321707
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