

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2024-12-05 10:55:38

Date of Next Testing: 2027-12-05 10:55:38

Product Name: **4-Nitro-o-phenylenediamine**

CAS Number: 99-56-9

Specifications & Purity: 97%

Lot #: K2428090

SKU #: **S52335**

Version: **0**

Analysis #: **443420**

Storage Temperature: Room temperature

| 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                                       |
| 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 |
| Appearance(S52335)              | Orange to Red powder                               | Orange to Red powder                               |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zhu

