

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-11 16:15:58  
 Date of Next Testing: 2029-10-10 16:15:58  
 Product Name: **2,4-Dinitrophenylhydrazine(DNPH)**  
 CAS Number: 119-26-6  
 Specifications & Purity: AR, ≥98%(HPLC)  
 Lot #: I2524271  
 SKU #: **D112074**  
 Version: **1**  
 Analysis #: **482002**  
 Storage Temperature: Protected from light,Room temperature,Argon charged

| Parameter                       | Limit Values                                       | Result                                             |
|---------------------------------|----------------------------------------------------|----------------------------------------------------|
| Ignition Residue (as sulfate)   | 0-0.1 (%)                                          | 0.00000 %                                          |
| Purity(HPLC)                    | 98-100 (%)                                         | 98.12100 %                                         |
| Melting point                   | 196-203 (°C)                                       | 202.61000 °C                                       |
| Appearance (D112074)            | Orange to Red Powder,Solid,Crystals and/or Chunks  | Orange to Red Powder,Solid,Crystals and/or Chunks  |
| Solubility in 50% Sulfuric acid | Yellow to Green,Clear to Turbid<12.5 ntu,0.5g/50ml | Yellow to Green,Clear to Turbid<12.5 ntu,0.5g/50ml |
| Proton NMR spectrum             | Conforms to Structure                              | Conforms to Structure                              |
| Sensitivity to carbonyl         | Passes test                                        | Passes test                                        |



John Su  
QA & QC Manager