

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-01-14 15:27:01

Date of Next Testing: 2027-01-13 15:27:01

Product Name: **4-Nitrobenzonitrile**

CAS Number: 619-72-7

Specifications & Purity: 97%

Lot #: A2310428

SKU #: **N107605**

**Analysis:** **179282**

| Parameter              | Limit Values                                | Result                                      |
|------------------------|---------------------------------------------|---------------------------------------------|
| Melting point          | 143-150 (°C)                                | 147.22000 °C                                |
| Water by Karl Fischer  | 0-1 (%)                                     | 0.50 %                                      |
| Purity(HPLC)           | 97-100 (%)                                  | 97.08900 %                                  |
| Appearance (N107605)   | White to Yellow to Beige Powder or Crystals | White to Yellow to Beige Powder or Crystals |
| Solubility in hot MeOH | almost transparency                         | almost transparency                         |
| Proton NMR spectrum    | Conforms to structure                       | Conforms to Structure                       |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager