

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-11-14 10:09:20

Date of Next Testing: 2028-11-13 10:09:20

Product Name: **4-Nitrophthalonitrile**

CAS Number: 31643-49-9

Specifications & Purity:  $\geq 98\%$ (GC)

Lot #: C1720086

SKU #: **N130031**

Version: **1**

Analysis #: **436269**

Storage Temperature: Room temperature

| Parameter             | Limit Values                                       | Result                                             |
|-----------------------|----------------------------------------------------|----------------------------------------------------|
| Melting point         | 136-145 (°C)                                       | 142.01000 °C                                       |
| Purity(GC)            | 98-100 (%)                                         | 98.10000 %                                         |
| Appearance (N130031)  | white to pale yellow Powder, Crystals and/or Chunk | white to pale yellow Powder, Crystals and/or Chunk |
| Solubility in Acetone | almost transparency                                | almost transparency                                |
| NMR Spectrum 1H       | Conforms to structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager