

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-28 18:20:20

Date of Next Testing: 2027-07-27 18:20:20

Product Name: **4-Nitrophthalonitrile**

CAS Number: 31643-49-9

Specifications & Purity: >98.0%(GC)

Lot #: G2322934

SKU # **N130031****Analysis: 247779**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	23.9-24.6 (%)	24.12 %
Purity(GC)	98-100 (%)	99.12 %
Carbon by Elemental Analysis	53.8-55.9 (%)	55.19 %
Melting point	136-145 (°C)	142.03000 °C
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
Infrared spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager