

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-19 09:26:18

Date of Next Testing: 2027-01-18 09:26:18

Product Name: **1,7-Phenanthroline**

CAS Number: 230-46-6

Specifications & Purity: $\geq 99\%$

Lot #: C1925104

SKU #: **P119923**

Version: **1**

Analysis #: **180022**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.89300 %
Nitrogen by Elemental Analysis	15.3-15.8 (%)	15.30000 %
Carbon by Elemental Analysis	78.8-81.2 (%)	78.80000 %
Melting point	78-82 (°C)	78.36000 °C
Appearance (P119923)	white to light brown powder or crystals	white to light brown powder or crystals
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager