

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-25 13:05:58

Date of Next Testing: 2027-07-24 13:05:58

Product Name: **4,5-Dicyanoimidazole**

CAS Number: 1122-28-7

Specifications & Purity: 99%

Lot #: G2318084

SKU #: **D109320****Analysis:** **255555**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	49.8-51.3 (%)	50.62 %
Nitrogen by Elemental Analysis	46.4-47.9 (%)	47.51 %
Purity(HPLC)	99-100 (%)	99.74500 %
Water by Karl Fischer	0-0.5 (%)	0.06 %
Appearance (D109320)	White to Orange to Green powder to crystal	White to Orange to Green powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility,Clear , Colorless , 1.2 gm/10 ml; Acetonitrile	pass	Pass

John Su
QA & QC Manager