

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-19 09:44:22

Date of Next Testing: 2027-08-18 09:44:22

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

CAS Number: 1122-28-7

Specifications &amp; Purity: 99%

Lot #: H2310457

SKU #: **D109320****Analysis:** **254729**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	49.8-51.3 (%)	50.61 %
Nitrogen by Elemental Analysis	46.4-47.9 (%)	47.32 %
Purity(HPLC)	99-100 (%)	99.86600 %
Water by Karl Fischer	0-0.5 (%)	0.45 %
Appearance (D109320)	White to Orange to Green powder to crystal	White to Orange to Green powder to crystal
Solubility,Clear , Colorless , 1.2 gm/10 ml; Acetonitrile	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su  
QA & QC Manager