

## Certificate of Analysis

Date of Testing: 2024-05-15 17:34:25

Date of Next Testing: 2028-05-14 17:34:25

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

CAS Number: 1122-28-7

Specifications & Purity: 99%

Lot #: E2411177

SKU #: **D109320**

**Analysis:** **345590**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.77900 %
Water by Karl Fischer	0-0.5 (%)	0.05 %
Carbon by Elemental Analysis	49.8-51.3 (%)	51.28 %
Nitrogen by Elemental Analysis	46.4-47.9 (%)	47.77 %
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