

## Certificate of Analysis

Date of Testing: 2024-04-10 11:57:14

Date of Next Testing: 2028-04-09 11:57:14

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

CAS Number: 1122-28-7

Specifications & Purity: 99%

Lot #: D2407194

SKU #: **D109320**

**Analysis:** **328717**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.52000 %
Water by Karl Fischer	0-0.5 (%)	0.48 %
Carbon by Elemental Analysis	49.8-51.3 (%)	49.92 %
Nitrogen by Elemental Analysis	46.4-47.9 (%)	47.08 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
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



John Su  
QA & QC Manager