

## Certificate of Analysis

Date of Testing: 2022-02-19 18:43:24

Date of Next Testing: 2026-02-18 18:43:24

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

CAS Number: 1122-28-7

Specifications & Purity: 99%

Lot #: D1803137

SKU #: **D109320**

**Analysis:** **075667**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	49.8-51.3 (%)	50.48 %
Nitrogen by Elemental Analysis	46.4-47.9 (%)	47.75 %
Purity(HPLC)	99-100 (%)	99.86800 %
Water by Karl Fischer	0-300 (ppm)	0.02 ppm
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