

Certificate of Analysis

Date of Testing: 2024-08-09 16:05:42
Date of Next Testing: 2028-08-08 16:05:42
Product Name: **4,5-Dicyanoimidazole**
CAS Number: 1122-28-7
Specifications & Purity: 99%
Lot #: G2426274
SKU #: **D109320**
Version: **2**
Analysis #: **384708**
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	49.8-51.3 (%)	50.77%
Nitrogen by Elemental Analysis	46.4-47.9 (%)	47.74%
Purity(HPLC)	99-100 (%)	99.88600%
Water by Karl Fischer	0-0.5 (%)	0.07%
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