

Certificate of Analysis

Date of Testing: 2023-11-14 09:11:31

Date of Next Testing: 2027-11-13 09:11:31

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

CAS Number: 1122-28-7

Specifications & Purity: 99%

Lot #: K2307292

SKU #: **D109320**

Analysis: **289612**

Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|---|--|--|
| Carbon by Elemental Analysis | 49.8-51.3 (%) | 50.76 % |
| Nitrogen by Elemental Analysis | 46.4-47.9 (%) | 47.63 % |
| Purity(HPLC) | 99-100 (%) | 99.84500 % |
| Water by Karl Fischer | 0-0.5 (%) | 0.31 % |
| 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 |



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