

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-02 10:34:20
Date of Next Testing: 2027-06-01 10:34:20
Product Name: **4,5-Dicyanoimidazole**
CAS Number: 1122-28-7
Specifications & Purity: 98%
Lot #: E2325513
SKU #: **D109319**
Analysis: 233100
Storage Temperature: Store at 2-8°C, Desiccated

| Parameter | Limit Values | Result |
|--|--|--|
| Purity(HPLC) | 98-100 (%) | 99.74500% |
| Nitrogen by Elemental Analysis | 46-47.9 (%) | 47.51% |
| Carbon by Elemental Analysis | 49.3-51.3 (%) | 50.62% |
| Appearance (D109319) | 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