

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-05 18:47:52

Date of Next Testing: 2028-12-04 18:47:52

Product Name: **4,5-Imidazoledicarboxylic acid**

CAS Number: 570-22-9

Specifications & Purity: $\geq 97\%$

Lot #: L2403626

SKU #: **I107066**

Version: **0**

Analysis #: **439202**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	17.3-18.6 (%)	17.83100 %
Purity(HPLC)	97-100 (%)	98.68300 %
Carbon by Elemental Analysis	37.1-39.8 (%)	38.19500 %
Appearance (I107066)	White to Off-White to Tan Powder or Crystals	White to Off-White to Tan Powder or Crystals
Solubility in NaOH solution	almost transparency	almost transparency
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager