

Certificate of Analysis

Date of Testing: 2024-08-07 16:36:38

Date of Next Testing: 2028-08-06 16:36:38

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

CAS Number: 570-22-9

Specifications & Purity: 97%

Lot #: G2429222

SKU #: **I107066**

Version: **0**

Analysis #: **376511**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	17.3-18.6 (%)	17.81 %
Purity(HPLC)	97-100 (%)	98.73700 %
Carbon by Elemental Analysis	37.1-39.8 (%)	38.12 %
Appearance (I107066)	White to Off-White to Tan Powder or Crystals	White to Off-White to Tan Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in NaOH solution	almost transparency	almost transparency



John Su
QA & QC Manager