

Certificate of Analysis

Date of Testing: 2024-05-20 16:38:58

Date of Next Testing: 2028-05-19 16:38:58

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

CAS Number: 570-22-9

Specifications & Purity: 97%

Lot #: E2411310

SKU #: **I107066**

Version **0**

Analysis #: **335349**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	17.3-18.6 (%)	17.87 %
Carbon by Elemental Analysis	37.1-39.8 (%)	38.12 %
Purity(HPLC)	97-100 (%)	99.92000 %
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