

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-05-20 16:31:48
 Date of Next Testing: 2028-05-19 16:31:48
 Product Name: **4,5-Imidazoledicarboxylic acid**
 CAS Number: 570-22-9
 Specifications & Purity: $\geq 97\%$
 Lot #: E2411163
 SKU #: **I107066**
 Version: **0**
 Analysis #: **335349**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	17.3-18.6 (%)	17.86600 %
Carbon by Elemental Analysis	37.1-39.8 (%)	38.12500 %
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