

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-16 09:29:20
 Date of Next Testing: 2029-10-15 09:29:20
 Product Name: **3,4-Diaminothiophene Dihydrochloride**
 CAS Number: 90069-81-1
 Specifications & Purity: $\geq 97\%$
 Lot #: A2206370
 SKU #: **D123869**
 Version: **1**
 Analysis #: **587704**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	14-16.1 (%)	15.23000 %
Carbon by Elemental Analysis	24.4-26.2 (%)	25.35000 %
Purity(HPLC)	97-100 (%)	99.90680 %
Purity(Titration by AgNO ₃)	96.5-103.5 (%)	100.05900 %
Appearance (D123869)	White to Green to Beige to Brown Solid	White to Green to Beige to Brown Solid
NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager