

## Certificate of Analysis

Date of Testing: 2025-07-09 16:30:27  
Date of Next Testing: 2029-07-08 16:30:27  
Product Name: **2-Iminothiolane hydrochloride**  
CAS Number: 4781-83-3  
Specifications & Purity:  $\geq 95\%$   
Lot #: F2526064  
SKU #: **I492458**  
Version: **3**  
Analysis #: **223793**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	198-201 (°C)	198.01000 °C
Free sulfhydryl groups	0-5 (%)	4.90 %
Purity(HPLC)	95-100 (%)	95.18800 %
Appearance(I492458)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to yellow, clear to slightly hazy 100mg/ml	pass	Pass



John Su  
QA & QC Manager