

Certificate of Analysis

Date of Testing: 2023-05-15 15:28:58
Date of Next Testing: 2027-05-14 15:28:58
Product Name: **2-Iminothiolane hydrochloride**
CAS Number: 4781-83-3
Specifications & Purity: $\geq 95\%$
Lot #: E2310273
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 ₂ O , Colorless to yellow, clear to slightly hazy 100mg/ml	pass	Pass



John Su
QA & QC Manager