



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-233342
Lot Number: SAMPLE
Product Name: 5-Chlorothiophene-2-carboxylic acid hydrazide
CAS Number: 351983-31-8
Molecular Formula: $C_5H_5ClN_2OS$
Molecular Weight: 176.62

Test	Specification	Result
Appearance	White to tan solid, powder, crystals	Off white powder
Identification (1H-NMR)		Consistent with structure
Identification (13C-NMR)		Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (GC)	$\geq 96.5\%$	98.7%
Purity (Titration)	96.5 - 103.5% (with $HClO_4$)	97.5%
Melting Point		146.9 - 149.6 °C
Carbon Content		33.85%
Nitrogen Content		15.84%
Sulfur		18.25%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com