



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-233423
Lot Number: SAMPLE
Product Name: 5-Nitro-2-furoyl chloride
CAS Number: 25084-14-4
Molecular Formula: $C_5H_2ClNO_4$
Molecular Weight: 175.53

Test	Specification	Result
Appearance	Colorless to brown solid or liquid	Light amber liquid (after melt)
Identification (1H-NMR)		Consistent with structure
Identification (13C-NMR)		Consistent with structure
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 94.0\%$	99.2%
Purity (Silver Nitrate Titration)		103.1% (after oxygen combustion)
Purity (Sodium Hydroxide Titration)		101.4%
Melting Point		34.7 - 40.8 °C
Carbon Content	32.2 - 36.3%	34.14%
Nitrogen Content	7.5 - 8.5%	8.42%

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.

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