



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-233158
Lot Number: SAMPLE
Product Name: 5-(4-Chlorophenyl)-1,3,4-oxadiazole-2-thiol
CAS Number: 23766-28-1
Molecular Formula: $C_8H_5ClN_2OS$
Molecular Weight: 212.66

Test	Specification	Result
Appearance	White to tan powder or crystals	White powder
Identification (^{13}C -NMR)	Conforms to structure	Complies
Purity (HPLC)	$\geq 97\%$	99.9 %
Purity (Titration)	96.5 - 103.5% (with silver nitrate)	101.1%
Melting Point		172.6 - 173.4 °C
Infrared Spectrum	Conforms to structure	Complies
Titration		101.4% (with $AgNO_3$ after oxygen combustion)
Carbon Content	43.6 - 46.8%	45.01%
Nitrogen Content	12.7 - 13.6%	13.17%
Sulfur Content	14.6 - 15.6%	14.86%

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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