



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-238105
Lot Number: SAMPLE
Product Name: 2-Mercapto-5-nitrobenzimidazole
CAS Number: 6325-91-3
Molecular Formula: $C_7H_5N_3O_2S$
Molecular Weight: 195.20

Test	Result
Appearance	Orange powder
Identification (Infrared Spectrum)	Consistent with structure
Purity (Titration)	98.30% (with $HClO_4$)
Purity (TLC)	99%
Melting Point	273.6 - 274.0 °C
Solubility	Opaque dark red solution at 50 mg/ml in 1 N NaOH
Carbon Content	42.10%
Hydrogen Content	2.62%

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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