



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-256220
Lot Number: SAMPLE
Product Name: 2-Nitrophenyl 1-thio- β -D-galactopyranoside
CAS Number: 1158-17-4
Molecular Formula: $C_{12}H_{15}NO_7S$
Molecular Weight: 317.32

Test	Specification	Result
Appearance	Yellow powder	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 98\%$	$> 99\%$
Melting Point		195 °C
Solubility	Clear yellow to green solution at 10 mg/ml in methanol	Yellow solution at 10 mg/ml in methanol
Water Content (KF)	$\leq 1\%$	0.1%

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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