

Certificate of Analysis

Product Name: 2-Nitrophenyl-1-thio- β -D- galactopyranoside
Cat #: N-390
CAS #: 1158-17-4
Lot #: Lot Specific
Retest Date: Lot Specific
Storage:[†] Store at -20°C. Protect from light.

Test	Specs	Results
Color	yellow	yellow
Form	crystalline powder	crystalline powder
Color of Solution (0.5% in methanol)	yellow	yellow
Turbidity (0.5% in methanol)	max. 4.0 NTU	1.6 NTU
Water Content (K. Fischer)	max. 1.0%	0.1%
Decomposition Point	192 - 198°C	195°C
Purity (TLC) (10 mg/ml in methanol; dichloromethane/methanol 9:1; UV 254 nm, sulfuric acid)	min. 99 area-%	>99 area-%
TLC (10 mg/ml in methanol; dichloromethane/methanol 9:1; UV 254 nm, sulfuric acid)	corresponds to reference material	corresponds
Specific Optical Rotation [alpha] _D (c = 0.7 in methanol, 20°C)	-256.0 to -250.0	-253.0
FT-IR Spectrum	corresponds to reference spectrum	corresponds

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

[†] Storage at listed temperature applies to retest date (if shown) or two years from purchase date. Check label for long term storage conditions, which may extend the product beyond the retest date and/or greater than two years from purchase.

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