Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	21763
Lot Number	000156-0000009783
Product	***o*-Nitrophenyl-1-thio-β-D-galactopyranoside**
	2-Nitrophenyl 1-thio-β-D-galactopyranoside
	o-Nitrophenylsulfenyl-1-thio-β-D-galactoside
CAS Number	1158-17-4
Molecular Formula	$C_{12}H_{15}NO_7S$
Molecular Weight	317.32

Appearance	Yellow crystalline powder
Solubility	Yellow solution (0.5% in MeOH)
Turbidity	1.6 NTU (0.5% in Methanol)
Melting Point	195 °C
Water Content (Karl Fisher)	0.1%
TLC System	10 mg/mL in MeOH Dichloromethane/Methanol (9:1) UV 254 nm, Sulfuric acid
Optical Rotation	$[a]^{20}_{D}$ = - 253 º (C=0.7 in MeOH)
Infrared Spectrum	Conforms to structure
Purity by TLC	> 99%
Storage	Store at 0-8°C

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Remarks	See material safety data sheet for additional information
	For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Bala Kumar
Quality Control Manager