



# INDOFINE Chemical Company, Inc.

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## CERTIFICATE OF ANALYSIS

**Cat. No.: MB1008**

<u>Product:</u>	<b>ISOPROPYL-<math>\beta</math>-D-THIOGALACTOPYRANOSIDE</b> (Isopropyl- $\beta$ -D-thiogalactoside: IPTG)
<u>CAS Number:</u>	[367-93-1]
<u>Lot No.:</u>	12883
<u>Molecular Formula:</u>	C <sub>9</sub> H <sub>18</sub> O <sub>5</sub> S
<u>Molecular Weight:</u>	238.3
<u>Melting Point:</u>	110-114°C
<u>Appearance:</u>	White powder
<u>Solubility:</u>	1% Solution in water, clear, colorless
<u>Water Content:</u>	0.6% (K.F.)
<u>Specific Rotation:</u>	$[\alpha]_D^{20}$ -32.2° (c=1, H <sub>2</sub> O)
<u>Assay:</u>	99.4%
<u>Other:</u>	I.R. Identification conforms