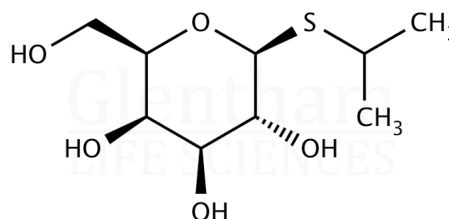


Certificate of Analysis

Product Name	IPTG, 99.5%, dioxane free
Glentham Code	GC2102
CAS Number	367-93-1
EINECS	206-703-0
MDL Number	MFCD00063273
Batch Number	537GTJ
Molecular Weight	238.30
Molecular Formula	$C_9H_{18}O_5S$
Storage Temp.	+4°C



Property	Specification	Batch 537GTJ
Physical Description	White crystalline powder	White crystalline powder
Identification (IR)	To conform to standard	Conforms
Melting Point	110.0 - 114.0 °C	112.8°C
Solubility (5% in methanol)	Clear, colourless solution	Clear, colourless solution
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
pH (5% in water)	5.0 - 7.0	6.1
Specific Optical Rotation	-33.5 - -29.5 ° (c=1, water)	-31.2°
UV Absorbance (5% in water)	≤ 0.13 (at 300nm)	0.05
UV Absorbance (5% in water)	≤ 0.06 (at 400nm)	< 0.01
1,4-Dioxane	Absent	Conforms
Water (KF)	≤ 0.5%	0.3%
Purity (HPLC)	≥ 99.0%	99.6%
Assay (HPLC)	≥ 99.5%	99.6%

Specification Version	v1.0
Manufacture Date	2023-12-01
Re-Test Date	2030-01-31

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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