



Product Specification

Product Name: IPTG
Cat #: I2481
CAS #: 367-93-1
Storage: Store desiccated at -20°C. Protect from light.

Test	Specifications
Description	White to almost white crystalline powder
Solubility	Soluble in water and methanol
Identification by IR	The IR spectrum of the sample should be concordant with the working sample
pH (5% in water)	5.0-7.0
Absorbance 5% w/v Solubility in water: (a) 300 nm (b) 400 nm	 ≤0.13 ≤0.06
Melting Range	110-114°C
1,4-Dioxane	Should be absent
Specific Optical Rotation [alpha]D (c = 1.0% in water)	-34.5° to -28.5°
Purity (HPLC)	≥98.0%

Made from synthetic, non-animal origin.

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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