

CERTIFICATE OF ANALYSIS

Product Description ISOPROPYL- β -D-THIOGALACTOPYRANOSIDE; IPTG
Product Number I373
Lot Number HHT0373017
Storage Temperature 2-8°C
Molecular Weight 238.3
Formula C₉H₁₈O₅S
CAS Number 367-93-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	6.5
Physical Appearance Color* Texture	PM-1 to PM-4 Fine to Granules Powder	PM-1 White Fine Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Insolubles	None	Passes
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	99.50%


* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).

The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

PhytoTech Labs Inc. provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTech Labs Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for LABORATORY USE ONLY. Our products may NOT BE USED as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Date of Release: 11-March-2025

Recommended Shelf-Life Date: March 2030

Prepared by: 
Alex Lambert
Lead Quality Control Laboratory Technician