

# CERTIFICATE OF ANALYSIS

Product Description ISOPROPYL- $\beta$ -D-THIOGALACTOPYRANOSIDE; IPTG  
Product Number I373  
Lot Number 11F0373006  
Storage Temperature 2-6 °C  
Molecular Weight 238.3  
Formula C<sub>9</sub>H<sub>18</sub>O<sub>5</sub>S  
CAS Number 367-93-1

## Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.6
Physical Appearance Color* Texture	PM-1 to PM-4 Fine to Granules Powder	PM-4 White Granules Powder
Solution Appearance Clarity Color	Clear Colorless	Clear Colorless
Average Time to Dissolve	For Information Only (Approx. 1 min)	1 min
Insolubles	None	Passes
Purity	Minimum 98.0%	99.56%
Water Content	For Information Only	0.60%
Dioxin	For Information Only	None detected

\* 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.

**PhytoTechnology Laboratories® provides the above information intended to be used only as a guide to the appropriate handling of this material by a properly trained person. PhytoTechnology Laboratories® 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.**

Recommended Shelf Life Date: August 2018



Gary Seckinger, Ph.D.



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### **PhytoTechnology Laboratories®**

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