

CERTIFICATE OF ANALYSIS

Product Description ISOPROPYL- β -D-THIOGALACTOPYRANOSIDE; IPTG
Product Number I373
Lot Number 08M37303
Storage Temperature 2-6° 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 | 6.32 |
| Physical Appearance Color* Texture | RM-1 to RM-3 or RM-31 Fine to Granular Powder | RM-31 White Fine & Granular Powder |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 1 min | Passes |
| Insolubles | None | Passes |
| Purity | Minimum 98.0% | 99.6% |
| Water Content by Karl Fischer | For Information Only | 0.3% |

* 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, LLC 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: December 2013



Gary Seckinger, Ph.D.



PhytoTechnology
Laboratories, LLC
Dedicated to Growth

PhytoTechnology Laboratories, LLC

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