

CERTIFICATE OF ANALYSIS

Product Description ISOPROPYL- β -D-THIOGALACTOPYRANOSIDE; IPTG
Product Number I373
Lot Number 11C0373005
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 | 5.22 |
| Physical Appearance Color* Texture | RM-1 to RM-3 or RM-31 Fine to Granules Powder | RM-1 Off-White Granules |
| Solution Appearance Clarity Color | Clear Colorless | Clear Colorless |
| Average Time to Dissolve | Within 1 min | Passes |
| Insolubles | None | Passes |
| Purity | Minimum 98.0% | 99.1% |
| Water Content by Karl Fischer | For Information Only | 0.5% |

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

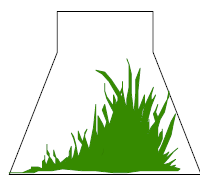
The material described in this certificate is synthetic. No animal- or plant-derived components were used in the manufacture of this product.

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: March 2016



Gary Seckinger, Ph.D.



hytoTechnology
Laboratories®
Dedicated to Growth

PhytoTechnology Laboratories®

Mailing Address: P.O. Box 12205, Shawnee Mission, KS 66282-2205
Phone: 1-888-749-8682 (1-913-341-5343 *Outside the USA & Canada*)
Fax: 1-888-449-8682 (1-913-341-5442 *Outside the USA & Canada*)
Visit our Web Site at <http://www.phytotechlab.com>



Created on 1 Apr 2011 CC