

CERTIFICATE OF ANALYSIS

Product Description ISOPROPYL- β -D-THIOGALACTOPYRANOSIDE; IPTG
Product Number I373
Lot Number 15G0373007
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	5.6
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
FTIR	Conforms to Structure	Passes
Purity	Minimum 98.0%	99.95%
Water Content by Karl Fischer	For Information Only	0.33%

* 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: July 2020



Gary Seckinger, Ph.D.



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