

CERTIFICATE OF ANALYSIS

Product Description	ISOPROPYL- β -D-THIOGALACTOPYRANOSIDE; IPTG
Product Number	I373
Lot Number	SMR0373009
Storage Temperature	2-8°C
Molecular Weight	238.3
Formula	C ₉ H ₁₈ O ₅ S
CAS Number	367-93-1

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in Water @ 10 mg/mL	Passes
pH	Under Development	5.2
Physical Appearance Color* Texture	PM-1 to PM-4 Fine to Granules Powder	PM-4 White Fine 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%	99.701%
Water Content by Karl Fischer	For Information Only	0.1%

* 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.

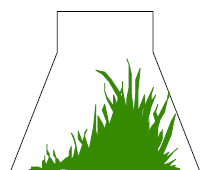
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Date of Release: 24-January-2018

Recommended Shelf Life Date: January-2023



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