

CERTIFICATE OF ANALYSIS

Product Description 2-NITROPHENYL- β -D-GALACTOPYRANOSIDE; ONPG
Product Number N604
Lot Number 03A60402
Storage Temperature -20-0° C
Molecular Weight 301.3
Formula $C_{12}H_{15}NO_8$
CAS Number 369-07-3

Physiochemical Specifications:

TEST	SPECIFICATION	RESULTS
Solubility	Soluble in DMSO	Soluble in DMSO
pH ¹ (1% in DMSO w/v)	Under Development	11.97
Physical Appearance Color*	2145-70 (Cotton Balls) 2143-70 to 2147-70, RM-1 to RM-3, or RM-31	2145-70 (Cotton Balls)
Texture	Fluffy to Clumpy Powder	Fluffy, Clumpy Powder
Solution Appearance Clarity Color	Clear Colorless to Slight Yellow Tint	Clear Slight Yellow Tint
Ave Time to Dissolve	Within 1 min	Within 1 min
Precipitation Formation	None	None

* Product color based upon comparisons between sample and standardized color wheel (Benjamin Moore® Color Preview™).
¹ pH dependent upon type and amount of solvent used.

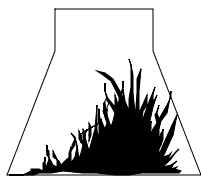
The material described in this certificate was manufactured in the United State of America and is either synthetic or plant derived in nature. No animal components were used in the manufacture of this product.

Phyto Technology 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. Phyto Technology 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: January 2008

Emily Burdick

Quality Assurance Manager



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Dedicated to Growth

PhytoTechnology Laboratories, LLC

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