



ISO 9001 CERTIFIED  
ISO 13485 CERTIFIED

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CERTIFICATE OF QUALITY

**Product:** ISOPROPYL-beta-D-THIOGALACTOPYRANOSIDE

**Grade:** ULTRA PURE GRADE

**Code:** 0487

Appearance: White crystalline powder

Mol. Formula: C9H18O5S

Mol. Weight: 238.31

Description:

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Abs.@300nm (5%, Water)		0.13		PASS
Abs.@400nm (5%, Water)		0.06		PASS
Dioxane		NONE	P/F	PASS
Identification (IR)	PASS		P/F	PASS
Melting Point	110	114	Degrees C	PASS
Moisture (KF)		1.0	%	PASS
pH (5%, Water) @25C	5	7		PASS
Purity	99.0		%	PASS
Solubility (5%, Water)	PASS		P/F	PASS
Specific Rotation (1%, Water)	-34.0	-29.0	degrees	PASS

Storage: Store frozen. Keep dry. Warm to room temperature before opening.

0487UP

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature:

Title:

QC MANAGER

Date:

6/13/2012