

Certificate of Analysis

This is to certify that units of the above mentioned lot number were tested. Certain data have been supplied by third parties. Bionovas biotechnology expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose.. The following are the actual analytical results obtained:

Product: Isopropyl-β-(D)-Thiogalactopyranoside Cas No: 367-93-1 molwt : 238.30 Catalog Number : AI016 Lot Number : LMAY26 Formula: C ₉ H ₁₈ O ₅ S storage temp : -20 °C		
Items	Standards	Results
Description	White Crystalline Powder	White Crystalline Powder
Solubility	49.00 - 55.00 mg/ml	53.50mg/ml
Identification by IR	The IR spectrum of the sample should be concordant with the working standard.	Complies
Absorbance 5% w/v Soluble in water.		
(a) 300 nm	Not more than 0.15	0.04
(b) 400 nm	Not more than 0.06	0.01
Moisture Content by KF	NMT1.0% w/w	0.21% w/w
1,4-Dioxane	Should be absent	Not detected
Specific Rotation	-28.0° to -32.0°deg	-29.8°deg
Specific.Rotation(Conc)	9.00 -11.00 mg/ml	10.00 mg/ml
Assay by TLC	≥98%	99.6%