

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-29 13:35:58
 Date of Next Testing: 2027-05-29 13:35:58
 Product Name: **Isopropyl- β -D-thiogalactopyranoside(IPTG)**
 CAS Number: 367-93-1
 Specifications & Purity: Ultra pure, $\geq 99\%$
 Lot #: E2522014
 SKU #: **I274316**
 Version: **2**
 Analysis #: **330017**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
UV Absorbance 300nm(5% in H ₂ O)	0-0.13	0.00600
UV Absorbance 400nm(5% in H ₂ O)	0-0.06	0.00500
Melting point	110-114 (°C)	113.57000 °C
Purity(HPLC)	99-100 (%)	99.38100 %
Moisture content	0-1 (%)	0.98300 %
PH (5%, water) 25 °C	5-7	6.08000
Specific Rotation [a] _D 20/D(c=1 in H ₂ O)	-34--29 (°)	-31.70200 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility (5% in H ₂ O)	Pass	Pass



John Su
QA & QC Manager