

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-08 17:30:19
Date of Next Testing: 2026-08-08 17:30:19
Product Name: **IPTG (isopropyl- β -D-thiogalactopyranoside)**
CAS Number: 367-93-1
Specifications & Purity: \geq 99.0%, Ultra Pure Grade
Lot #: H2407494
SKU #: **I274316**
Version: **2**
Analysis #: **393635**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
UV Absorbance 300nm(5% in H ₂ O)	0-0.13	0.01
UV Absorbance 400nm(5% in H ₂ O)	0-0.06	0.01
Moisture content	0-1 (%)	0.75 %
PH (5%, water) 25 ° C	5-7	6.81
Purity(HPLC)	99-100 (%)	99.33700 %
Specific Rotation [a] _D 20/D(c=1 in H ₂ O)	-34--29 (°)	-31.79 °
Melting point	110-114 (°C)	114.00000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility (5% in H ₂ O)	Pass	Pass



John Su
QA & QC Manager