

Certificate of Analysis

Product Description: Isopropyl-beta-D-thiogalactopyranoside**Catalog Number:** 102101**Lot:** YC11036**Formula :** C₉H₁₈O₅S**CAS #:** 367-93-1**Physical Description:** White Granules**Formula Weight:** 238.30**Storage:** Desiccate, - 20°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥ 99%	99.72%(HPLC)
FTIR	Conforms to Standard	Conforms to Standard
pH (5% aq soln)	5.0 - 7.0	6.83
Melting Point	105 - 115°C	112.3 - 113.4°C
Optical Rotation (c=1, water)	-26° to -33°	- 31.35°
Dioxane Content	For Information Only	Negative

Water: 0.17%

Recommended Retest Date(MM/DD/YYYY): 06/29/2023

12/16/2022 - Lily Liu
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QM

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