

## Certificate of Analysis

异丙基-beta-D-硫代半乳糖吡喃糖苷 (IPTG)

通用试剂

**Product No.:** EC0214  
**Batch No.:** EHK0920HJ5  
**CAS No.:** 367-93-1  
**Formula:** C<sub>9</sub>H<sub>18</sub>O<sub>5</sub>S  
**Molecular Weight:** 238.3  
**Quality Release Date:** 10/Sep./2025  
**Recommended Retest Date:** 09/Sep./2028  
**Storage At:** 2~8° C

TEST	SPECIFICATION	RESULT
Appearance	White crystalline powder Complies	Conforms
Purity(HPLC)	≥99%	99.68%
Solubility (Concentration)	49.00-55.00mg/ml	Conforms
Solubility (Color & Turbidity)	Colorless, clear	Conforms
NMR(D20)	Consistent with Structure	Conforms
Residual Detection of Dioxane Ring(GC)	Not Contain	Conforms
SpecificRotation	-28° ~-33°	-30.1°

**Jie Kang, Manager**

**Quality Control**

**Hebei, China**