

## Certificate of Analysis

Date of Testing: 2023-11-28 10:35:22  
Date of Next Testing: 2026-11-27 10:35:22  
Product Name: **Octylthiogalactoside**  
CAS Number: 42891-16-7  
Specifications & Purity:  $\geq 98\%$   
Lot #: K2321298  
SKU #: **O339700**  
**Analysis:** **293155**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.34 %
Specific Rotation $[\alpha]_{20}/D(c=1 \text{ in MeOH})$	-35~-31 ( $^{\circ}$ )	-34.98 $^{\circ}$
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su  
QA & QC Manager