

## Certificate of Analysis

Date of Testing: 2022-02-28 09:43:27  
Date of Next Testing: 2026-02-27 09:43:27  
Product Name: **2-Nitrophenyl  $\beta$ -D-galactopyranoside**  
CAS Number: 369-07-3  
Specifications & Purity: 99%,non-animal origin  
Lot #: B2223512  
SKU #: **N109040**  
**Analysis: 064990**  
Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.2 (%)	0.17 %
Specific Rotation [a] <sub>D</sub> 20/D(c=1 in H <sub>2</sub> O)	-71.5--66 (°)	-68.43°
Purity(HPLC)	99-100 (%)	99.86800 %
Appearance (N109040)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
beta-Galactosidase detection test	to pass test	to pass test
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager