

Certificate of Analysis

Date of Testing: 2024-04-01 11:33:27
Date of Next Testing: 2028-03-31 11:33:27
Product Name: **2-Nitrophenyl β -D-galactopyranoside**
CAS Number: 369-07-3
Specifications & Purity: 99%,non-animal origin
Lot #: C2429668
SKU #: **N109040**
Analysis: **327537**
Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.28000 %
Water by Karl Fischer	0-0.2 (%)	0.15 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-71.5--66 (°)	-66.10°
Infrared spectrum	Conforms to Structure	Conforms to Structure
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



John Su
QA & QC Manager