

Certificate of Analysis

Date of Testing: 2023-11-14 13:18:56
Date of Next Testing: 2027-11-13 13:18:56
Product Name: **2-Nitrophenyl β -D-galactopyranoside**
CAS Number: 369-07-3
Specifications & Purity: 99%,non-animal origin
Lot #: K2309063
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] _D 20/D(c=1 in H ₂ 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 |



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