

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-29 16:35:58
 Date of Next Testing: 2030-05-28 16:35:58
 Product Name: **p-Nitrophenyl- β -D-Galactopyranoside**
 CAS Number: 3150-24-1
 Specifications & Purity: $\geq 99\%$
 Lot #: E2627563
 SKU #: **N100371**
 Version: **0**
 Analysis #: **698960**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	-87--80 (°)	-83.75300 °
Water by Karl Fischer	0-11 (%)	1.00330 %
Purity(HPLC)	99-100 (%)	99.90000 %
Melting point	179-183 (°C)	180.48000 °C
Free P-Nitrophenol	0-0.1 (%)	0.05000 %
Appearance (N100371)	White to Yellow to Green Powder, Crystals or Chunks	White to Yellow to Green Powder, Crystals or Chunks
Solubility in H ₂ O , Colorless to Faint Green, Clear, 10mg/ml	pass	Pass
beta-Galactosidase detection test	to pass test	to pass test
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager