

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **p-Nitrophenyl- β -D-Galactopyranoside**
Specifications & Purity: **$\geq 98\%$**
SKU #: **N100372**

Parameter	Limit Values
Purity(HPLC)	98-100 (%)
Melting point	179-183 (°C)
Water by Karl Fischer	0-11 (%)
Free P-Nitrophenol	0-0.1 (%)
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-87--80 (°)
Appearance (N100372)	White to Yellow to Green Powder, Crystals or Chunks
beta-Galactosidase detection test	to pass test
Infrared spectrum	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Green ,Clear,10mg/ml	pass