

Certificate of Analysis

Date of Testing: 2023-08-08 15:02:03
Date of Next Testing: 2025-08-07 15:02:03
Product Name: **Phenyl β -D-Galactopyranoside**
CAS Number: 2818-58-8
Specifications & Purity: $\geq 98\%$
Lot #: K2105309
SKU #: **P136533**
Analysis: **261619**
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20}^D(c=2.3 \text{ in H}_2\text{O})$	-44--40 ($^{\circ}$)	-42.20 $^{\circ}$
Purity(HPLC)	98-100 (%)	99.20400%
Melting point	146-149 ($^{\circ}\text{C}$)	147.50000 $^{\circ}\text{C}$
Appearance (P136533)	white powder or solid	white powder or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager