

## Certificate of Analysis

Date of Testing: 2024-12-23 19:18:54  
Date of Next Testing: 2028-12-22 19:18:54  
Product Name: **D-(+)-Galactose**  
CAS Number: 59-23-4  
Specifications & Purity: Animal Free, Low Endotoxin, for cell culture, ≥99%  
Lot #: L2423551  
SKU #: **G665269**  
Version: **1**  
Analysis #: **347102**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	78-82 (°)	81.89°
Loss on drying	0-10 (%)	0.00%
Endotoxin Level	0-20 (EU/g)	4.35000 EU/g
Purity(HPLC area)	99-100 (%)	99.85%
Total Plate Count	0-1000(CFU/g)	100.00000 cfu/g
Appearance(G665269)	White to Off-White powder	White to Off-White Powder
Solubility in H <sub>2</sub> O,clear colorless,100mg/ml in water	Pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager