

## Certificate of Analysis

Date of Testing: 2023-06-20 16:46:52  
Date of Next Testing: 2025-06-09 16:46:52  
Product Name: **D-Glucal**  
CAS Number: 13265-84-4  
Specifications & Purity: 96%  
Lot #: F23131099  
SKU #: **G107889**  
**Analysis: 185066**  
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Purity(HPLC)	96-100 (%)	99.58200 %
Melting point	57-62 (°C)	61.19000 °C
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)	-12--8 (°)	-8.69 °
Appearance (G107889)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager