

CERTIFICATE OF ANALYSIS

Product Name:	D-Glucal	CAS No. :	13265-84-4
Molecular Formula:	C ₆ H ₁₀ O ₄	Molecular Weight:	146.14
Batch No:	ST210522	Quantity:	15kg
Manufacturing date:	2021.05.22	Expire date:	2023.05.21

Item	Specification	Results
Appearance	White crystalline powder	White crystalline powder
Solubility in water	Colorless and clear	Conforms
Assay	≥98.0%	98.57%
Specific rotation	-8° ~ -12°	-11°
Melting point	58°C ~62°C	59.5°C
Methanol	<5000ppm	No
Ethanol	<3000ppm	<1000ppm
Loss on drying	≤0.5%	0.4%
Residue on ignition	≤0.1%	0.08%
Heavy metals	≤10ppm	<10ppm

Conclusion	The batch is in compliance with established requirements.
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QC:

*Mingjiu***Hangzhou Sartort Chemical Co., LTD**

QA:

Cathy Shen