

## Certificate of Analysis

Date of Testing: 2023-02-10 21:38:47  
Date of Next Testing: 2027-02-09 21:38:47  
Product Name: **D-(+)-Trehalose dihydrate**  
CAS Number: 6138-23-4  
Specifications & Purity: for cell culture,for insect cell culture,≥99%  
Lot #: B23061014  
SKU #: **T100012**  
**Analysis: 058232**  
Storage Temperature: Room temperature,Argon charged,Desiccated

Parameter	Limit Values	Result
Loss on drying	0-10 (%)	5.00 %
Purity(HPLC)	99-100 (%)	99.56600 %
Specific Rotation [α] <sub>20</sub> /D(c=7 in H <sub>2</sub> O)	174-183 (°)	174.00 °
Appearance (T100012)	White powder	White powder
Cell Culture Test	pass	Pass
Insect cell culture test	pass	Pass
Solubility in H <sub>2</sub> O , clear colorless , 50mg/ml of water	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager