

## Certificate of Analysis

Date of Testing: 2024-04-08 14:58:48  
Date of Next Testing: 2028-04-07 14:58:48  
Product Name: **D-(+)-Trehalose dihydrate**  
CAS Number: 6138-23-4  
Specifications & Purity: for cell culture,for insect cell culture,≥99%  
Lot #: C2429021  
SKU #: **T100012**  
**Analysis:** **108642**  
Storage Temperature: Room temperature,Argon charged,Desiccated

Parameter	Limit Values	Result
Loss on drying	0-10 (%)	6.98 %
Purity(HPLC)	99-100 (%)	99.74900 %
Specific Rotation [α] <sub>20</sub> /D(c=7 in H <sub>2</sub> O)	174-183 (°)	174.12 °
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