

Certificate of Analysis

Date of Testing: 2024-11-12 10:27:04
Date of Next Testing: 2028-11-11 10:27:04
Product Name: **D-(+)-Trehalose dihydrate**
CAS Number: 6138-23-4
Specifications & Purity: $\geq 99\%$, from cassava starch
Lot #: K2404663
SKU #: **T100010**
Version: **1**
Analysis #: **425463**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|--|---|---|
| Purity(HPLC) | 99-100 (%) | 99.69300 % |
| Specific Rotation [a] _D (c=7 in H ₂ O) | 178-183 (°) | 178.20° |
| Water by Karl Fischer | 9.2-10.2 (%) | 9.20 % |
| Appearance (T100010) | white to off-white powder, crystals and/or chunks | white to off-white powder, crystals and/or chunks |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in H ₂ O , Colorless to Faint Yellow , Clear , 50 mg/ml H ₂ O | pass | Pass |



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