

## Specification Sheet

Product Name: **D-(+)-Trehalose dihydrate**  
Specifications & Purity: for plant cell culture, ≥99%  
SKU #: **T100013**

| Parameter   | Limit Values          |
|---|-----------------------|
| Specific Rotation $[\alpha]_{20}^D(c=7 \text{ in H}_2\text{O})$     | 174-183 (°)           |
| Purity(HPLC)  | 99-100 (%)            |
| Water by Karl Fischer   | 0-10 (%)              |
| Loss on drying  | 0-10 (%)              |
| Appearance (T100013)  | white powder          |
| Infrared spectrum   | Conforms to Structure |
| Plant cell culture test   | pass                  |
| Solubility in H <sub>2</sub> O , clear colorless , 50mg/ml of water | pass                  |