

SPECIFICATION SHEET

Product Name: D-(+)-Trehalose dihydrate**Catalog # TD01-Q29A**

Product Description: D-(+)-Trehalose dihydrate is a naturally derived disaccharide composed of two glucose units that is widely used to stabilize proteins and biological structures by protecting them against dehydration and stress.

Storage and Stability: Store product in original packaging at room temperature. Product stored under these conditions should be stable for up to 24 months.

Data for a Sample Lot:

Appearance	: White crystalline powder
Molecular weight	: 378.33 kDa
Purity	: ≥99%
Loss on drying, %	: ≤1%
Ignition residue	: ≤0.05%
Arsenic, ppm	: ppm ≤0.5
Heavy metals	: ppm ≤0.1
PH (30% aq.)	: 5.0-6.7
Total aerobic microbial count, cfu/g	: ≤300 cfu/g
Escherichia coli	: absent
Total combined yeast/mould count, cfu/g	: ≤100 cfu/g