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## CERTIFICATE OF ANALYSIS

Cat No.: 024067

Product:

**D-(+)-TREHALOSE DIHYDRATE**

( $\alpha,\alpha$ -Trehalose dihydrate)

( $\alpha$ -D-Glucopyranosyl- $\alpha$ -D-Glucopyranoside dihydrate)

Cas Number:

[6138-23-4]

Lot Number:

002631-4271

Chemical Formula:

$C_{12}H_{22}O_{11} \cdot 2H_2O$

Molecular Weight:

378.3

Appearance:

Pale white to white powder

Solubility:

Clear, colorless solution (10% in distilled water)

Water content (KF):

9.9%

pH:

5.8 (30% in distilled water)

Yeast and Mold:

<200/g

Microbial Count:

<400/g (Total aerobic)

Sulfated Ash:

<0.10% (Calculated on dry matter)

Purity by HPLC:

99%

Storage:

Cool dry place

Date of Manufacture: April 2014

Retest Date: April 2021