

**CERTIFICATE OF ANALYSIS**

|                                         |           |                          |              |
|-----------------------------------------|-----------|--------------------------|--------------|
| <b>Product Name:</b>                    | Trehalose | <b>Manufacture Date:</b> | Jun 15, 2021 |
| <b>Batch Number:</b>                    | HZ0210615 | <b>Analysis Date:</b>    | Jun 15, 2021 |
| <b>Batch Quantity:</b>                  | 7000kg    | <b>Expiration Date</b>   | Jun 15, 2023 |
| <b>Test</b>                             |           | <b>Specifications</b>    |              |
| <b>Assay by HPLC:</b>                   |           | ≥99.0%                   |              |
| <b>Appearance:</b>                      |           | White crystalline powder |              |
| <b>Solubility:</b>                      |           | Soluble in water         |              |
| <b>Loss on drying %:</b>                |           | ≤1.5%                    |              |
| <b>PH:</b>                              |           | 5.0-6.7                  |              |
| <b>Chroma:</b>                          |           | <0.1                     |              |
| <b>Turbidity:</b>                       |           | <0.05                    |              |
| <b>Heavy metals PPM:</b>                |           | 10ppm                    |              |
| <b>Pb (mg/kg) :</b>                     |           | ≤0.1                     |              |
| <b>As (mg/kg) :</b>                     |           | ≤0.5                     |              |
| <b>Fecal coliform(MPN/100g):</b>        |           | Negative                 |              |
| <b>Total number of bacteria(cfu/g):</b> |           | ≤300                     |              |