

## CERTIFICATE OF ANALYSIS

|                                                                                  |                                 |
|----------------------------------------------------------------------------------|---------------------------------|
| Product Name: SUCRALOSE (FOOD GRADE)                                             | Batch Number: <b>S202208001</b> |
| Standard: FCCVII                                                                 | Batch Quantity:2000KGS          |
| Chemical Formula: C <sub>12</sub> H <sub>19</sub> C <sub>13</sub> O <sub>8</sub> |                                 |
|                                                                                  |                                 |

### Purity

| Test                                                     | Requirement                                                      | Result                                                           |
|----------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| Identification                                           | In HPLC, retained time of main peak complies to reference object | In HPLC, retained time of main peak complies to reference object |
| Appearance                                               | White crystalline powder                                         | Conform                                                          |
| Assay Content %                                          | 98.0~102.0%                                                      | 99.77                                                            |
| Loss on Drying %                                         | ≤2                                                               | 0.10                                                             |
| Specific Rotation,°                                      | +84.0°~+87.5°                                                    | +86.0°                                                           |
| Ignited Residue,%                                        | ≤0.7                                                             | 0.11                                                             |
| Hydrolysis products (Chlorinated monosaccharides), %     | ≤0.1                                                             | Complies                                                         |
| Methanol,%                                               | ≤0.1%                                                            | 10PPM                                                            |
| Heavy Metals,mg/kg                                       | ≤10                                                              | ≤10                                                              |
| Arsenic(As),mg/kg                                        | ≤3                                                               | ≤3                                                               |
| Lead,mg/kg                                               | ≤1                                                               | ≤1                                                               |
| Fe mg/kg                                                 | ≤10                                                              | ≤10                                                              |
| Related substances (Other chlorinated disaccharides) s,% | ≤0.5                                                             | <0.5                                                             |
| Triphenylphosphine Oxide                                 | 150mg/kg max.                                                    | 150mg/kg max.                                                    |
| PH(10% aqueous solution)                                 | 5.0-8.0                                                          | 6.40                                                             |
| Storage condition                                        | Storage condition                                                |                                                                  |

### Microbiological Tests

| Test                    | Requirement | Result |
|-------------------------|-------------|--------|
| Total Plate Count cfu/g | ≤250        | <10    |
| Coliforms-MPN MPN/g     | ≤3          | None   |
| Yeast and Moulds cfu/g  | ≤50         | <10    |
| E.Coli                  | Negative    | None   |
| Salmonella              | Negative    | None   |

### Particle Size

| Sieve  | Percent |
|--------|---------|
| 60mesh | 95%     |

The requirement stated herein also meets with the standard of FCCVII、USP34、EP2368、EC231/2012(2008/60/EC)、GB25531

**Conclusion: passed**

**SIGNATURE:**

