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**CERTIFICATE OF ANALYSIS**

|  |                              |
|--|------------------------------|
| Product Name: SUCRALOSE Powder (FOOD GRADE)                                      | Batch Number: S202402020     |
| Standard: FCC12/USP43-NF38   | Batch Quantity:1000KGS       |
| Chemical Formula: C <sub>12</sub> H <sub>19</sub> Cl <sub>3</sub> O <sub>8</sub> | Production date: FEB.08,2024 |
|  | Valid Period:FEB.07,2026     |

Purity

| Test   | Requirement  | Result        |
|--|--|---------------|
| Identification A(IR)   | The IR absorption spectrum of the preparation of the test specimen exhibit maxima only at the same wavelengths as that of a similar preparation of the USP Sucralose RS. | Conform       |
| Identification B(HPLC)   | In HPLC, retained time of main peak complies to reference object   | Conform       |
| Identification C(RF)   | The RF value of the principal spot of the Sample solution corresponds to that of standard solution A,as obtained in the test for Related Compounds                       | Conform       |
| Appearance   | White crystalline powder   | Conform       |
| Assay Content  | 98.0~102.0%  | 99.76         |
| Water  | ≤2%  | 0.08          |
| Specific Rotation,(α) <sub>D</sub> 20                              | +84.0°~+87.5°  | +85.9°        |
| Residue on Ignition (Sulphated Ash)                                | ≤0.7%  | 0.10          |
| Hydrolysis products Impurities H and I Chlorinated Monosaccharides | ≤0.1%  | Complies      |
| Methanol,  | ≤0.1%  | ≤0.1%         |
| Heavy Metals   | ≤10mg/kg   | ≤10           |
| Arsenic(As)  | ≤3mg/kg  | ≤3            |
| Lead   | ≤1mg/kg  | ≤1            |
| Related substances (Other chlorinated disaccharides) s,            | ≤0.5%  | <0.5          |
| Triphenylphosphine Oxide   | 150mg/kg max.  | 150mg/kg max. |
| Storage condition  | Keep in cool and dry place. Protect from light and keep container closed. Avoid contamination from other special smell.  |               |

Microbiological Tests

| Test                    | Requirement  | Result |
|-------------------------|--------------|--------|
| Total Plate Count cfu/g | ≤250         | <10    |
| Coliforms-MPN MPN/g     | <3           | None   |
| Yeast cfu/g             | ≤50          | <10    |
| Mould cfu/g             | ≤50          | <10    |
| E.Coli                  | Negative/25g | None   |
| Salmonella              | Negative/25g | None   |
| Shigella                | Negative/25g | None   |
| Staphylococcus aureus   | Negative/25g | None   |

Particle Size

| Sieve  | Percent |
|--------|---------|
| 60mesh | ≥90%    |

The requirement stated herein also meets with the standard of FCCV12、USP43-NF38、EP8.0、EC231/2012(2008/60/EC)、GB25531

**Conclusion: passed**  
**SIGNATURE:**

