

## Certificate of analysis

Product Name: SUCRALOSE (FOOD GRADE)	Batch Number:201706015
Standard: FCC X	Batch Quantity:1000KGS
Chemical Formula: C <sub>12</sub> H <sub>19</sub> C <sub>13</sub> O <sub>8</sub>	Production date: JUNE.07,2017
Functional Use: Non-nutritive sweetener ,Flavor enhancer	Shelf life: 2 YEARS
Solubility	Freely soluble in water, methanol and ethanol Slightly soluble in ethyl acetate

### 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 to off-white, practically odourless, crystalline powder	Conform
Assay Content	98.0~102.0%	99.61
Loss on Drying	≤0.5%	0.12%
Specific Rotation at 20 °C	+84.0 °~+87.5 °	+86.9°
Ignited Residue	≤0.7%	0.06%
Hydrolysis products	≤0.1%	Complies
Methanol	≤0.1%	Undetected
Heavy Metals mg/kg	≤10mg/kg	≤10mg/kg
Arsenic(As) mg/kg	≤3mg/kg	Undetected
Taste and Odor	No abnormal taste or odor	Passes test
Lead mg/kg	≤1	Undetected
Fe mg/kg	≤10mg/kg	≤10mg/kg
Related substances	≤0.5%	<0.5%
Triphenylphosphine Oxide	≤0.0001 %	≤0.0001 %
PH(10% aqueous solution)	5.0-8.0	7.4
Sulphated ash	≤0.7%	≤0.7%
Storage condition	Store in cool and dry place	

### Microbiological Tests

Test	Requirement	Result
Total Plate Count	Not more than 250 cfu/gram	<10cfu/gram
Coliforms	Negative per 10 grams	None
E.Coli	Negative per 10 grams	None
Salmonella	Negative per 25 grams	None
Staphylococcus aureus	Negative per 10 grams	None
Yeast and Mold	Not more than 50 cfu/gram	<10 cfu/gram

### Particle Size

Sieve	Percent
60mesh	≥98%

**The requirement stated herein also meets with the standard of USP39、EP8.0、Regulation (EU) No231/2012(E955)、GB25531**