

# Specification of Sucralose

Product: Sucralose

Type: Food Grade

Package:25KG Drum

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 to off-white, practically odourless, crystalline powder	Conform
Assay Content	98.0~102.0%	99.84
Loss on Drying	≤2%	0.09%
Specific Rotation at 20°C	+84.0°~+87.5°	+85.5°
Ignited Residue	≤0.7%	0.10%
Hydrolysis products	≤0.1%	Complies
Methanol	≤0.1%	Undetected
Heavy Metals mg/kg	≤10mg/kg	≤10mg/kg
Arsenic(As) mg/kg	≤3mg/kg	<3mg/kg
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	≤0.0150 %	≤0.0150 %
PH(10% aqueous solution)	5.0-8.0	6.35
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	≥95%

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

Shelf Life: 24 months