



Unisweet (Shandong) Sucralose Manufacturing Co., Ltd.

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## CERTIFICATE OF ANALYSIS

Product	Sucralose	Quantity	500kg	Test date	2021-12-08
Batch NO.	Z121120603	Manufacture date	2021-12-06	Expired date	2023-12-05

### TESTED RESULTS

ITEM	STANDARD	RESULT
Identification A(IR)	Infrared spectra of standard and sample should meet each other	Pass
Identification B (Retention time of HPLC)	The retention time of the principal peak of the sample solution corresponds to that of the standard solution,as obtained in the Assay.	Pass
Identification C(By TLC)	The $R_f$ value of the major spot in the thin-layer chromatogram of the Product Preparation is the same as that of the Standard Preparation obtained in the test for Related Substances.	Pass
Appearance	White crystalline powder	Pass
Assay,%	98.0~102.0	99.91
Specific Rotation, °	+84.0~+87.5	+86.2
Moisture,%	≤2.0	0.1
PH (10% aqueous solution)	5.0-7.0	5.64
Ignited Residue,%	≤0.7	0.1
Methanol,%	≤0.1	0.01
Heavy Metals (as lead) ,mg/kg	≤10	<10
Arsenic(As),mg/kg	≤3	<1
Lead,mg/kg	≤1	Not Detected
Triphenylphosphine Oxide,mg/kg	≤150	<150
Hydrolysis Products,%	≤0.1	Pass
Related Substances,%	≤0.5	Pass
Total Aerobic count,cfu/g	≤250	30
Yeasts & moulds,cfu/g	≤50	10
Coliform,MPN/g	<3.0	<3.0
E.coli	Negative	Negative
S.aureus	Negative	Negative
Salmonella	Negative	Negative
<b>Storage condition</b>	Store in well closed container, in dry and cool place, at a temperature not exceeding 21°C.	
<b>Conclusion</b>	The quality in conformity with the E-955/USP 36 / FCC 8	
Inspector: Tangxianghui	Checked: Chenhao	Approved: Philip Wang