



安徽金禾实业股份有限公司

Anhui Jinhe Industrial Co., Ltd.

Address: No. 127 East Street, Laian County, Chuzhou, Anhui, P.R. China, 239200

Tel: +86-0550-5619090/5621725 Fax: +86-0550-5623638

CERTIFICATE OF ANALYSIS

Product Name: SUCRALOSE (FOOD GRADE)	Batch Number: 202408025
Standard: Current FCC/USP/NF	Batch Quantity: 1000KGS
Chemical Formula: $C_{12}H_{19}Cl_3O_8$	Production date: AUG.19,2024
Functional Use: Non-nutritive sweetener, Flavor enhancer	Valid Period: 2 YEARS
Solubility:	Freely soluble in water, methanol and ethanol Slightly soluble in ethyl acetate

Purity

Test	Requirement	Result
Taste and Odor	No abnormal taste or odor	Passes test
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(on anhydrous basis)	98.0~102.0%	99.73
Water	$\leq 2.0\%$	0.10
Specific Rotation, $(\alpha)_D^{20}$	+84.0°~+87.5°	+85.9°
Residue on Ignition (Sulphated Ash)	$\leq 0.7\%$	0.11
Hydrolysis products Impurities H and I Chlorinated Monosaccharides	$\leq 0.1\%$	<0.1
Related substances Other Chlorinated Disaccharide	≤ 0.5	<0.5
Triphenylphosphine Oxide	$\leq 150\text{mg/kg}$	<150mg/kg
PH(10% aqueous solution)	5.0-8.0	6.51
Methanol	$\leq 0.1\%$	Undetected
Heavy Metals (as Pb)	$\leq 10\text{mg/kg}$	≤ 10
Arsenic(As)	$\leq 3\text{mg/kg}$	≤ 3
Lead	$\leq 1\text{mg/kg}$	Undetected
Storage condition	Store in cool and dry place	

Microbiological Tests

Test	Requirement	Result
Total Aerobic Count cfu/g	≤ 250	<250
Coliforms-MPN MPN/g	≤ 3	None
Yeast and Mold cfu/g	≤ 50	<50
E.Coli	Negative/25g	None
Salmonella	Negative/25g	None
Shigella	Negative/25g	None
Staphylococcus aureus	Negative/25g	None

Particle Size

Sieve	Percent
Through 60mesh	$\geq 90\%$

The requirement stated herein also meets with the standard of FCC、USP39NF34、EP8.0、Regulation (EU) No231/2012(E955)、GB25531

Conclusion: passed
SIGNATURE:

