CERTIFICATE OF ANALYSIS

Product Name	Pure Sucralose Powder	**Lot No. (TSC)**	TSC-26001
Substance	Sucralose (Food Grade)	**Fill Date**	Jul 1, 2026
CAS No.	56038-13-2	**Release Date**	Jul 3, 2026
Chemical Formula	$C_{12}H_{19}Cl_3O_8$	**Source Batch No.**	202312055
Functional Use	Non-nutritive sweetener, Flavor enhancer	**Production Date**	Dec 20, 2025
Solubility	Freely soluble in water, methanol and ethanol; slightly soluble in ethyl acetate	**Valid Period**	3 years
Storage Condition	Store in cool and dry place	**Original COA**	Available upon request
Standard	Current FCC / USP / NF. The requirement stated herein also meets the standard of FCC, USP39-NF34, EP 8.0, Regulation (EU) No 231/2012 (E955), GB 25531.		

Test Item	Specification	Result	Method	Status
PHYSICAL & IDENTIFICATION				
Appearance	White crystalline powder	Conform	FCC / USP / NF	Pass
Taste and odor	No abnormal taste or odor	Passes test	FCC / USP / NF	Pass
Identification A (IR)	The IR absorption spectrum of the preparation of the test specimen exhibits maxima only at the same wavelengths as that of a similar preparation of the USP Sucralose RS	Conform	FCC / USP / NF	Pass
Identification B (HPLC)	In HPLC, retained time of main peak complies to reference object	Conform	FCC / USP / NF	Pass
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	FCC / USP / NF	Pass
Particle size (through 60 mesh)	≥ 90%	≥ 90%	FCC / USP / NF	Pass
CHEMICAL				
Assay (anhydrous basis)	98.0–102.0%	99.73%	FCC / USP / NF	Pass
Water	≤ 2.0%	0.09%	FCC / USP / NF	Pass
Specific rotation $[\alpha]_D^{20}$	+84.0° to +87.5°	+85.9°	FCC / USP / NF	Pass
Residue on ignition (sulphated ash)	≤ 0.7%	0.10%	FCC / USP / NF	Pass
Hydrolysis products / impurities H and I (chlorinated monosaccharides)	≤ 0.1%	< 0.1%	FCC / USP / NF	Pass
Related substances (other chlorinated disaccharide)	≤ 0.5	< 0.5	FCC / USP / NF	Pass
Triphenylphosphine oxide	≤ 150 mg/kg	< 150 mg/kg	FCC / USP / NF	Pass
pH (10% aqueous solution)	5.0–8.0	6.50	FCC / USP / NF	Pass
Methanol	≤ 0.1%	Undetected	FCC / USP / NF	Pass
HEAVY METALS				
Heavy metals (as Pb)	≤ 10 mg/kg	≤ 10 mg/kg	FCC / USP / NF	Pass
Arsenic (As)	≤ 3 mg/kg	≤ 3 mg/kg	FCC / USP / NF	Pass
Lead	≤ 1 mg/kg	Undetected	FCC / USP / NF	Pass
MICROBIOLOGICAL				
Total aerobic count	≤ 250 cfu/g	< 250 cfu/g	FCC / USP / NF	Pass
Coliforms (MPN)	≤ 3 MPN/g	None	FCC / USP / NF	Pass
Yeast and mold	≤ 50 cfu/g	< 50 cfu/g	FCC / USP / NF	Pass
E. coli	Negative / 25 g	None	FCC / USP / NF	Pass
Salmonella	Negative / 25 g	None	FCC / USP / NF	Pass
Shigella	Negative / 25 g	None	FCC / USP / NF	Pass
Staphylococcus aureus	Negative / 25 g	None	FCC / USP / NF	Pass

Conclusion: Passed. All specifications met.

This Certificate of Analysis is a reproduction of the Certificate of Analysis issued by the original manufacturer for Source Batch No. 202312055. All specifications and test results are transcribed exactly as reported by the manufacturer; only the layout has been reformatted. Lot No. TSC-26001, Fill Date and Release Date are assigned by The Sucralose Company to this batch. The original manufacturer's Certificate of Analysis is available upon request.