



CERTIFICATE OF ANALYSIS

Product Name: Sucralose [56038-13-2] Test Date: July 19, 2024
Batch NO.: 202407022 Manu.Date: July 13, 2024
Quantity: 7200kg Expiry Date: July 12, 2026

Item	FCC12, EP10, USP43 , E955,GB25531andGB4789	Result
Appearance	White or almost white powder	Complies
Solubility	Freely soluble in water, methanol and ethanol, Slightly soluble in ethyl acetate	Complies
Ident IR	The IR absorption spectrum conform the reference spectrum	Pass
Ident HPLC	The retention time of the principal peak in the chromatogram of the Assay preparation corresponds to that in the chromatogram of the Standard preparation	Pass
Ident TLC	The Rf value of the major spot in the thin-layer chromatogram of the Sample solution is the same as that of the Standard solution obtained in the test for Related Substances.	Pass
Assay	98.0%–102.0% , calculated on the anhydrous basis.	99.78%
Specific Rotation	+84.0~+87.5°	+85.78°
Clarity of solution	---	Clear
PH (10% aqueous solution)	5.0~7.0	6.30
Water	≤2.0%	0.10%
Methanol	≤0.1%	Not detected
Ignited Residue (Sulfated ash)	≤0.7%	0.05%
Arsenic(As)	≤3ppm	<3ppm
Heavy metals	≤10ppm	<10ppm
Lead	≤1ppm	Not detected
Related substances (Other chlorinated disaccharides)	≤0.5%	<0.5%
Hydrolysis products (Chlorinated monosaccharides)	≤0.1%	Complies
Triphenylphosphine oxide	≤150ppm	<150ppm
Total aerobic count	≤250CFU/g	<20CFU/g
Yeast & Moulds	≤50CFU/g	<10CFU/g
Coliforms	Negative	Nf
E.coli	Negative	Nf
S.aureus	Negative	Nf
Salmonella	Negative	Nf

Particle size 90% pass through 80 mesh

Storage condition:Store in well closed container, dry and cool place

Shelf Life: 2 years while stored in original packing under above stated condition.

Conclusion: The product complies with FCC12, EP10, USP43, E955,GB25531 andGB4789 standards.

Approved: Xu Songbo

Inspector: Liu Shilong

