

# Certificate of Analysis

**Product Name** : Sucralose  
**Chemical Name** : 1,6-Dichloro-1,6-dideoxy-β-D-fructofuranosyl-4-chloro-4-deoxy-α-D-galactopyranoside  
**Synonyms** : TGS; 4,1',6' - Trichlorogalactosucrose; Trichlorogalactosucrose  
**CAS No.** : [56038-13-2]  
**Molecular Formula** : C<sub>12</sub>H<sub>19</sub>Cl<sub>3</sub>O<sub>8</sub>  
**Batch No.** : 20041001  
**Date of Manufacture** : Apr.09,2020  
**Expiry Date** : Apr.08,2022  
**Issued Date** : Jun.02,2020  
**Manufacturing Address** : No.118 Renmin East Road, Sheyang County, Jiangsu, 224300 P. R. China

Item	Specification	Test Result
Identification	The retention time of the major peak (excluding the solvent peak) in the liquid chromatogram of the sample solution is the same as that of the standard solution obtained in the assay.	Pass test
Appearance	White to off-white odorless crystalline powder	Pass test
Assay (calculated with reference to the dried substance)	98.0%-102.0%	99.46%
Specific Rotation	+84.0°~+87.5°	+86.16°
Moisture	2.0% Max.	0.13%
Ignited Residue	0.2% Max.	0.030%
Hydrolysis Products (Impurities H and I)	0.1% Max.	Pass test
Related Substances	0.5% Max.	Pass test
Methanol	0.1% Max.	<0.0002% (Detection limit)
Lead	1mg/kg Max.	0.028mg/kg
Arsenic (As)	3mg/kg Max.	0.20mg/kg
Heavy Metals (as Pb)	10mg/kg Max.	<10mg/kg
PH of 10% Aqueous Solution	5.0~8.0	6.24
Total aerobic count	250CFU/g Max.	<10CFU/g
Coliforms	MPN/g<3.0	MPN/g<3.0
E.coli	MPN/g<3.0	MPN/g<3.0
S.aureus	ND/25g	ND/25g
Salmonella	ND/25g	ND/25g
Yeasts & Moulds	50CFU/g Max.	<10CFU/g
<b>Conclusion: Product in conformity with FCC11 and USP42-NF37and IP</b>		

Approved by: Luo Tao

Checked by: Chen Yuexia

Edited by: Yang Yueze

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**Synonyms** : TGS; 4,1',6' - Trichlorogalactosucrose; Trichlorogalactosucrose  
**CAS No.** : [56038-13-2]  
**Molecular Formula** : C<sub>12</sub>H<sub>19</sub>Cl<sub>3</sub>O<sub>8</sub>  
**Batch No.** : 20073001  
**Date of Manufacture** : Jul.25,2020  
**Expiry Date** : Jul.24,2022  
**Issued Date** : Sep.12,2020  
**Manufacturing Address** : No.118 Renmin East Road, Sheyang County, Jiangsu, 224300 P. R. China

Item	Specification	Test Result
Identification	The retention time of the major peak (excluding the solvent peak) in the liquid chromatogram of the sample solution is the same as that of the standard solution obtained in the assay.	Pass test
Appearance	White to off-white odorless crystalline powder	Pass test
Assay (calculated with reference to the dried substance)	98.0%-102.0%	99.39%
Specific Rotation	+84.0°~+87.5°	+85.96°
Moisture	2.0% Max.	0.19%
Ignited Residue	0.2% Max.	0.030%
Hydrolysis Products (Impurities H and I)	0.1% Max.	Pass test
Related Substances	0.5% Max.	Pass test
Methanol	0.1% Max.	<0.0002% (Detection limit)
Lead	1mg/kg Max.	0.033mg/kg
Arsenic (As)	3mg/kg Max.	0.19mg/kg
Heavy Metals (as Pb)	10mg/kg Max.	<10mg/kg
PH of 10% Aqueous Solution	5.0~8.0	6.20
Total aerobic count	250CFU/g Max.	<10CFU/g
Coliforms	MPN/g<3.0	MPN/g<3.0
E.coli	MPN/g<3.0	MPN/g<3.0
S.aureus	ND/25g	ND/25g
Salmonella	ND/25g	ND/25g
Yeasts & Moulds	50CFU/g Max.	<10CFU/g
<b>Conclusion: Product in conformity with FCC11 and USP43-NF38and IP</b>		

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**CAS No.** : [56038-13-2]  
**Molecular Formula** : C<sub>12</sub>H<sub>19</sub>Cl<sub>3</sub>O<sub>8</sub>  
**Batch No.** : 20102704  
**Date of Manufacture** : Oct.27,2020  
**Expiry Date** : Oct.26,2022  
**Issued Date** : Dec.02,2020  
**Manufacturing Address** : No.118 Renmin East Road, Sheyang County, Jiangsu, 224300 P. R. China

Item	Specification	Test Result
Identification	The retention time of the major peak (excluding the solvent peak) in the liquid chromatogram of the sample solution is the same as that of the standard solution obtained in the assay.	Pass test
Appearance	White to off-white odorless crystalline powder	Pass test
Assay (calculated with reference to the dried substance)	98.0%-102.0%	99.29%
Specific Rotation	+84.0°~+87.5°	+86.14°
Moisture	2.0% Max.	0.16%
Ignited Residue	0.2% Max.	0.030%
Hydrolysis Products (Impurities H and I)	0.1% Max.	Pass test
Related Substances	0.5% Max.	Pass test
Methanol	0.1% Max.	<0.0002% (Detection limit)
Lead	1mg/kg Max.	0.030mg/kg
Arsenic (As)	3mg/kg Max.	0.21mg/kg
Heavy Metals (as Pb)	10mg/kg Max.	<10mg/kg
PH of 10% Aqueous Solution	5.0~8.0	6.11
Total aerobic count	250CFU/g Max.	<10CFU/g
Coliforms	MPN/g<3.0	MPN/g<3.0
E.coli	MPN/g<3.0	MPN/g<3.0
S.aureus	ND/25g	ND/25g
Salmonella	ND/25g	ND/25g
Yeasts & Moulds	50CFU/g Max.	<10CFU/g
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