



ANHUI JINHE INDUSTRIAL CO.,LTD
127 EAST STREET, LAIAN COUNTY, ANHUI,P.R. CHINA

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SPECIFICATION SHEET

Manufacture: Anhui Jinhe Industrial Co., Ltd

Address: 127 EAST STREET, LAIAN COUNTY, ANHUI, P.R. CHINA

Product Name: **SUCRALOSE**

CAS No.: 56038-13-2

Formula: $C_{12}H_{19}Cl_3O_8$

Molecular weight: 397.64

Appearance: White crystalline Powder

Common name: 1,6-Dichloro-1,6-dideoxy-b-D-fructofuranosyl- -4-chloro-4-deoxy-a-D-galactopyranoside

Analysis Standard: FCCVII, E955, EP9.0

Storage: In Keep in cool and dry place, room temperature. Protect from light and keep container closed.

Avoid contamination from other special smell.

Packing: 25kg/Drum

Assay (on dry basis) : 98.0~102.0%

PH: 5.0~8.0

Specific rotation $[a]_D^{20}$: $+84.0^0 \sim +87.5^0$

Identification A(IR) meet USP 39-NF 34

Infrared absorption spectrum: The Infrared 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

Thin layer chromatography: The main spot in the test solution has the same RF value as that of the main spot of standard solution A referred to in the rest for other chlorinated disaccharides. This standard solution is obtained by dissolving 1.0g of sucralose reference standard in 10ml of methanol

Solubility: Freely soluble in water, methanol and ethanol
Slightly soluble in ethyl acetate

Methanol: 0.1% max

Water: 2.0% max.

Residue on ignition: 0.7% max.

Related substances: 0.5% max.

Triphenylphosphine Oxide: 150 ppm max.

Hydrolysis products: 0.1% max.

Heavy metals(as Pb): 10ppm max.

Arsenic(as As): 1ppm max.

Cadmium: 1ppm max.

Lead: 1ppm max.

Sulphated Ash: 0.7% max

Hydrolysis Products/ Chlorinated monosaccharides: 0.1% max

Related Substances/ Other chlorinated disaccharides: 0.5% max

Total Aerobic Count: 250cfu/g max.

Yeasts and Molds: 50cfu/g max.

E. Coli: Negative
Salmonella: Negative
Shelf life: 2 years
Mesh size: through 60mesh, 90% min

The requirement stated herein also meets with the standard of
FCCVII/USP34/NF30/EP9/EC231/2012(2008/60/EC) /GB25531

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