



Specialized in chemicals

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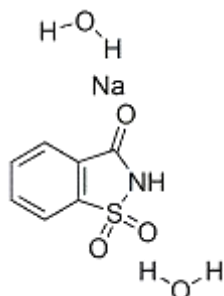
Technical Data Sheet

Saccharin sodium

Product Information

Chemical Name	Saccharin sodium dihydrate
CAS #	6155-57-3
Formula	C ₇ H ₉ NNaO ₅ S
Synonyms	2-SULFOBENZOIC AND IMIDE SODIUM SALT DIHYDRATE;

Chemical Structure



Physical Properties

White diamond crystals or crystal powder, odourless, slightly fragrant, has strong sweet taste, slightly bitter taste, sweetness of sucrose, 300-500 times. Melting point of 226-231 °C. Soluble in water (99.8 g, 20 °C; 186.8 g, 50 °C; 328.3 g, 95 °C), soluble in ethanol (1 g/ml) 50. In the air slowly weathering, about losing half the water of crystallization and become white powder.

Specifcaton

Identification	Positive	Complies
Melting point	226~230oC	227.1~229.5oC
Appearance	White crystal	White crystal
Content	99.0%~101.0%	99.13%
Loss on drying	≤15%	13.48%
Ammonium Salts	≤0.0025	0.001%
Arsenic	≤0.0002%	0.0001%
Benzoate and salicylate	No precipitate or violet color appears	Complies
Heavy metals	≤0.001%	0.0005%
Free acid or alkali	Complies with BP/USP/EP	Complies
Readily carbonizable substances	Nor more intensely colored than reference	Complies
P-Toluene sulfonamide	≤10ppm	5ppm
O-Toluene sulfonamide	≤10ppm	6ppm
Selenium	≤30ppm	6ppm
Related substance	Complies with BP/USP/EP	Without
Clarity and color of solution	Colorless,clear	Colorless,clear
Organic volatiles	Complies with BP/USP/EP	Without
PH value	Complies with BP/USP/EP	6.0
Benzoic acid-sulfonamide	≤25ppm	15ppm

Applications

- 1.Food: general cold drinks, beverages, jellies, popsicles, pickles, preserves, pastries, fruits, protein and sugar. Used in the food industry and for sweetening diabetes diet.
- 2.Feed additives: pig feed, sweet agent.
- 3.Daily chemical industry: toothpaste, mouthwash, eye drops, etc.
- 4.Electroplating industry, used as a brightener.

Packaging

- 25kg/kraft paper bag
- 20MT/FCL with pallets
- 23MT/FCL without pallets

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