

■ β -Cyclodextrin (β -CD)

Introduction

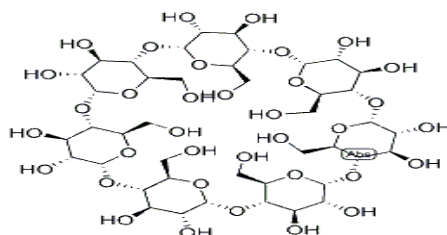
Other Name : Beta- cyclodextrin

Properties: Beta-cyclodextrin is a nonreducing cyclic polysaccharide composed of seven d-pyranosaccharide groups with an alpha 1, 4-bond. White or almost white crystalline solid or crystalline powder, virtually odorless and slightly sweet. This product is slightly soluble in water, and almost insoluble in methanol, ethanol and acetone.

Functions: 1. Odor molecules in food can be absorbed into the formation of inclusions, so as to cover up or drive out the bad odor in food, especially the health food with odor;
2. The unstable ingredients in food can be absorbed to form inclusions, so as to release them stably, especially flavor and flavor, etc.;;
3. It can be used as flavor remover, thickener and emulsifier in dairy products;
4. Can significantly increase the price period of food.

Ingredient

Chemical Name: β -Cyclodextrin
CAS : 7585-39-9
MF : C₄₂H₇₀O₃₅
MW : 1134.98
MS:



Item and Standard

ITEM	UNIT	STANDARD
Appearance		White crystalline or crystalline powder
Assay	%	98.0-102.0
Specific optical rotation		+159°-+164°
Moisture	%	≤14
Residue on ignition	%	≤0.1
Chloride	%	≤0.018
Heavy metals	mg/kg	≤10
Glucose reducing substances	%	≤1.0

PH		5.0-8.0
Infrared absorption	%	≤0.10; ≤0.05
Residual solvents	%	≤0.388
Bacterial		≤1000
Mold&Yeast		≤100
Escherichia		Negative

Application

Beta - cyclodextrin is a good vehicle, flavor stabilizer, stabilizer, emulsifier, preservative and quality improver in industrial production.

1. Application in the pharmaceutical industry

- * increase medicine stability
- * reduce irritation, toxicity, side effects, and mask odors
- * increase medicine solubility

2. Application in food industry

- * spicy spices, edible spices, flavors, pigments and other substances stabilizer, sustained release agent.
- * moisture-proof, enhance anti-corrosion, eliminate bitterness and odor, increase foam and emulsification, and extend the shelf life

3. Application in daily chemical industry

- * reduce side effects, improve stability and prolong fragrance retention



Package

25kg



Qingdao Wanyuan Mountain Biotech Co., Ltd
青岛万源山生物科技有限公司

Storage

Please reading safety data sheet before carrying or using the product.

Cool and dry, keep tightly closed, quality guarantee period is two years.