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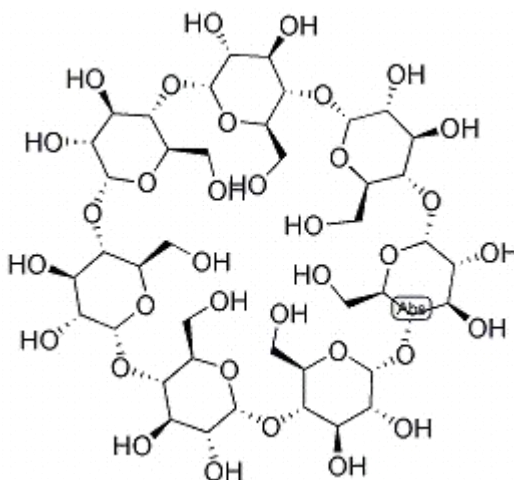
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Technical Data Sheet

Beta-cyclodextrin

Product Information

Chemical Name	beta-cyclodextrin
CAS #	7585-39-9
Formula	C ₄₂ H ₇₀ O ₃₅
Molecular Weight	1134.98
Synonyms	beta-cycloamylose



Chemical Structure

Physical Properties

B-cyclodextrin is a non-reducing cyclic polysaccharide which is composed of α -1,4-bond by seven D-glucopyranosyl units. White or almost white crystalline solid or crystalline powder, actually odorless, slightly sweet.

Specification

Items	Specification	Testing Results
Appearance	White crystal or crystalline powder	Conforms
Specific optical rotation	+159.0o~+164.0o	+162.0o
Identification	Positive	Conforms
Color of solution	Clear and transparent	Conforms
PH	5.0~8.0	6.3
Loss on Drying, %	≤14.0	10.60
Residue on Ignition, %	≤0.10	0.02
Heavy metals, ppm	≤1.00	<1.00
Reducing sugar, %	≤1.00	0.1
Bacterials, cfu/g	≤1,000.00	<100.00
Mold, cfu/g	≤100.00	None-detect
Assay, % (dry basis)	98.0~102.0	99.60

Applications

As a food additive, β -cyclodextrin can make the finished product antioxidant, light, thermal decomposition and volatilization, keep the product stable; change the liquid food into a solid; remove bitter taste and odor, improve the perfume and pigment stability; To enhance the emulsification capacity and to prevent moisture absorption and moisture resistance; to prevent corruption and deterioration; to improve food flavor and smell, long-term to maintain and improve food quality, product storage and transportation convenience; improve food taste and enhance the quality of meals.

Packaging

20kgs/carton, 12mt/20'FCL, 24mt/40'FCL

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