Beta Cyclodextrin

Cat. No. *CDP-005*

Lot. No. (See product label)

Product Name

Beta Cyclodextrin

Appearance

White powder, sweet, insipid and innocuous.

CAS NO.

7585-39-9

Product Description

In the field of medicine, cyclodextrin can effectively increase some water-soluble adverse drugs in the water solubility and dissolution rate. It also can improve the drug stability and bioavailability. In the chemical analysis field, cyclodextrin is a chiral compound, it to organic molecules has the identification and selection ability and has been successfully applied in the various chromatography and electrophoresis methods, to separate all kinds of isomers and enantiomers. Cyclodextrin in electrochemical analysis can improve the selectivity of the system. In the daily chemical field, cyclodextrin and surface active agents together used in shampoo and kitchen cleaners can reduce the surface active agent to cutaneous stimulation.
In the environmental protection field, cyclodextrin on environmental protection is based on its application with pollutants to form stable envelope content, to reduce the pollution of the environment. In the agricultural field, pyrethroid pesticide is a kind of very important, the use of cyclodextrin can solve the insoluble water, and the need to consume large amounts of organic solvent problem to solve pyrethroids' environmental pollution effective way.
In the food field, it is mainly used to eliminate peculiar smells and improve the flavor, fragrance, and pigment stability, enhance emulsification ability, and moistureproof ability.

Molecular Formula

C42H70O35

Molecular Weight

1134.98

Standard

ChP2020, USP-NF2022, EP, In-house standard.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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