

Alpha Cyclodextrin

Cat. No. CDP-013

Lot. No. (See product label)

Product Name

Alpha Cyclodextrin

Other Name

α -cyclodextrin, cyclomaltohexaose

Appearance

White powder, insipid, innocent.

CAS NO.

10016-20-3

Grade

Pharma grade, food grade, industry grade.

Package

500g/bag, 1kg/bag, 25kg/drum or customized.

Product Description

Alpha-cyclodextrin (α -CD) is a cyclic oligosaccharide composed of six glucose units linked by α -1,4 glycosidic bonds. It is derived from starch and is widely used in various industries due to its ability to form inclusion complexes with hydrophobic compounds, enhancing their solubility, stability, and bioavailability. Alpha-cyclodextrin is utilized in applications ranging from pharmaceutical formulations, where it improves drug delivery and stability, to food and cosmetic products for its stabilizing and flavor-enhancing properties. Its safety profile and ability to encapsulate a range of active ingredients make α -CD a versatile ingredient in both industrial and research settings.

Applications

medical, food, industry.

Molecular Formula

C₃₆H₆₀O₃₀

Molecular Weight

972.84

Solubility

water: >10 g Methanol: 10 g

Heavy Metal

≤0.0005%

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY