

Active Alpha-Cyclomaltodextrin glucanotransferase

Cat. No. DIS-2019 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alpha-Cyclomaltodextrin glucanotransferase was used as biocatalyst.
Description	In enzymology, a cyclomaltodextrin glucanotransferase (EC 2.4.1.19) is an enzyme that catalyzes the chemical reaction of cyclizing part of a 1,4-alpha-D-glucan molecule through the formation of a 1,4-alpha-D-glucosidic bond. This enzyme belongs to the family of glycosyltransferases, specifically the hexosyltransferases.
Form	Brown Liquid. Typical-fermentation odor.
Bio-activity	90 U/mL
Endotoxin	Lead: Less than 0.1 mg/kg Arsenic: Less than 3 mg/kg Aerobic count: ≤50000 cfu/g Coliforms: <3000 mpn/="">Salmonella: Not Detected Lactococcus Escherichia coli: Not Detected
Optimum pH	Ideal pH 5.0 to 6.0
Stability	Enzyme protein stabilized with glucose and water
Storage	Cool and dry place. Avoid direct exposure to sunlight or moisture. If stored at 25°C below, 90d shelf life. If under the 4~10°C cold storage, shelf life is 6 months. Over shelf life, enzymes may decrease, but can still be used, usage should be increased accordingly.

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