

Hydroxypropyl- γ -Cyclodextrin (HP- γ -CD)

- CAS No: 128446-34-4
- Average molecular formula: $C_{48}H_{80-n}O_{40} \cdot (C_3H_7O)_n$
- Average formula weight: $1297.2 + n \cdot (58.1)$

TEST	SPECIFICATION
Appearance	white or almost white powder, odorless, slightly sweet
Solubility	freely soluble in water, soluble in ethanol, almost insoluble in acetone
Water solution pH	5.0-8.5
Light-absorbing impurities	between 230 and 350nm, the absorbance is NMT 0.5, and between 350 and 660nm, the absorbance is NMT 0.5
Water	NMT 10.0%
Gamma cyclodextrin	NMT 1.5%
Residue on ignition	NMT 0.2%
Heavy metal	NMT 10ppm

TEST	SPECIFICATION
Propylene glycol	NMT 0.5%
Assay	NLT 98%
Hydroxypropyl content	17.5%-29.1%
TAMC	NMT 10^3 cfu/g
TYMC	NMT 10^2 cfu/g
E.Coli	Absence
Bacterial endotoxins	According to preparation needs