Product Information

May 2025

CYCLODEX

Already since 1989 (as the first German producer at that time) we develop and produce fused silica capillary columns for the gas chromatographic separation of enantiomers. As separation phase different derivatized cyclodextrins solved in a middle polar polysiloxane are used. With our FS-CYCLODEX-capillary columns the analysis of non-derivatized substances is possible thanks to the special deactivation..

Available CYCLODEX phases :

FS-CYCLODEX α-I/P (Permethyl-α-cyclodextrin)
FS-CYCLODEX β-I/P (Permethyl-β-cyclodextrin)
FS-CYCLODEX γ-I/P (Permethyl-γ-cyclodextrin)
FS-CYCLODEX γ-II/P (Perpentyl-γ-cyclodextrin)
FS-CYCLODEX γ-III/P (Dimethyl-acetyl-γ-cyclodextrin)

Some comments on chiral separations:
The separation of enantiomers by chromatographic methods is influenced by large number of effects. So far these effects are not fully understood and a meaningful prediction which phase is suited for a certain separation is difficult. Therefore we try to help our customers by testing their racemic standards on the different available phases in our application laboratory.

Please contact us to get more details about this gratuitous service.

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