

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-10-29 18:07:26

Date of Next Testing: 2028-10-28 18:07:26

Product Name: (S)-4-Chloro-3-hydroxybutyric Acid Ethyl Ester(ATS-4)

CAS Number: 86728-85-0

Specifications & Purity: 96%

Lot #: J2517057

SKU #: S51329

Version: 0

Analysis #: 598812

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(GC)	96-100 (%)	97.20 %
Refractive index n ₂₀ /D	1.451-1.455	1.45
Density (20°C)	1.189-1.193	1.19
Specific Rotation [α] ₂₀ /D(c=Neat)	-16--13 (°)	-14.20 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(S51329)	Colorless to Yellow Liquid	Colorless to Yellow Liquid

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

