

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-04-22 16:06:23

Date of Next Testing: 2028-04-21 16:06:23

Product Name: 4-(2-Hydroxyethyl)morpholine

CAS Number: 622-40-2

Specifications & Purity: 99%

Lot #: D2518339

SKU #: S49146

Version: 0

Analysis #: 501931

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.23 %
Refractive index n ₂₀ /D	1.476-1.479	1.48
Specific gravity	1.07-1.075	1.07
Purity(GC)	99-100 (%)	99.16 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance(S49146)	colorless to brown liquid	colorless to brown liquid

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zou

