

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-22 16:31:09
 Date of Next Testing: 2029-04-21 16:31:09
 Product Name: **4-(2-Hydroxyethyl)morpholine**
 CAS Number: 622-40-2
 Specifications & Purity: $\geq 99\%$
 Lot #: D2518340
 SKU #: **H100457**
 Version: **1**
 Analysis #: **393183**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.23000 %
Refractive index n _{20/D}	1.476-1.479	1.47840
Specific gravity	1.07-1.075	1.07200
Purity(GC)	99-100 (%)	99.16400 %
Appearance (H100457)	colorless to brown liquid	colorless to brown liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager