

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-22 16:30:55  
Date of Next Testing: 2027-03-21 16:30:55  
Product Name: **N-(2-Cyanoethyl)morpholine**  
CAS Number: 4542-47-6  
Specifications & Purity: 99%  
Lot #: C2315267  
SKU #: **N159783**  
**Analysis:** **177767**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.4685-1.4725	1.47
Purity(GC)	99-100 (%)	99.79 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(N159783)	White or Colorless to Yellow powder to lump to clear liquid	White or Colorless to Yellow powder to lump to clear liquid



John Su  
QA & QC Manager