

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-14 10:17:02
Date of Next Testing: 2025-07-13 10:17:02
Product Name: **Ethyl 1-piperazinecarboxylate**
CAS Number: 120-43-4
Specifications & Purity: 99%
Lot #: G2308104
SKU #: **E131861**
Analysis: **064896**

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.476-1.479	1.48
Density (20°C)	1.087-1.091	1.09
Purity(GC)	99-100 (%)	99.03 %
Appearance (E131861)	Colorless to Pale Yellow Viscous Liquid	Colorless to Pale Yellow Viscous Liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager