

Certificate of Analysis

Date of Testing: 2023-11-16 11:28:11
Date of Next Testing: 2025-11-15 11:28:11
Product Name: **Ethyl 1-piperazinecarboxylate**
CAS Number: 120-43-4
Specifications & Purity: 99%
Lot #: B2210046
SKU #: **E131861**
Analysis: **296003**

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