

## Certificate of Analysis

Date of Testing: 2023-01-28 15:16:39  
Date of Next Testing: 2027-01-27 15:16:39  
Product Name: **Ethyl Isonicotinate**  
CAS Number: 1570-45-2  
Specifications & Purity: >98.0%(GC)  
Lot #: A2312142  
SKU #: **E123188**  
**Analysis:** **172839**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.104-1.109	1.11
Refractive index n <sub>20</sub> /D	1.498-1.502	1.50
Purity(GC)	98-100 (%)	98.75 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	100.58 %
Appearance (E123188)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager