

## Certificate of Analysis

Date of Testing: 2022-03-25 17:20:48  
Date of Next Testing: 2025-03-24 17:20:48  
Product Name: **Ethyl formate**  
CAS Number: 109-94-4  
Specifications & Purity: anhydrous, ≥98%  
Lot #: C2223553  
SKU #: **E139940**  
**Analysis:** **092216**  
Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.359-1.363	1.36
Purity(GC)	98-100 (%)	99.44 %
Density (20°C)	0.918-0.926	0.92
Water by Karl Fischer	0-0.005 (%)	0.00 %
Appearance (E139940)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager