

## Certificate of Analysis

Date of Testing: 2023-09-19 13:25:40  
Date of Next Testing: 2025-09-08 13:25:40  
Product Name: **Acetylenedicarboxylic acid**  
CAS Number: 142-45-0  
Specifications & Purity: 95%  
Lot #: I2315140  
SKU #: **A113362**  
**Analysis:** **270134**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(Neutralization titration)	95-100 (%)	97.85 %
Purity(HPLC)	95-100 (%)	97.39300 %
Appearance (A113362)	white to tan powder, crystals and/or chunks	white to tan powder, crystals and/or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager