

## Certificate of Analysis

Date of Testing: 2023-09-04 13:51:07  
Date of Next Testing: 2027-09-03 13:51:07  
Product Name: **2-Oxovaleric Acid**  
CAS Number: 1821-02-9  
Specifications & Purity: >95.0%(GC)  
Lot #: I2301705  
SKU #: **O159954**  
**Analysis:** **262504**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	98.00%
Refractive index n <sub>20</sub> /D	1.428-1.436	1.43
Appearance (O159954)	Colorless to Very Faint Yellow to Pale Yellow to Very Faint Green-Yellow Liquid	Colorless to Very Faint Yellow to Pale Yellow to Very Faint Green-Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager