

## Certificate of Analysis

Date of Testing: 2023-03-27 13:21:32  
Date of Next Testing: 2027-03-26 13:21:32  
Product Name: **3,3'-Thiodipropionic Acid Dimethyl Ester**  
CAS Number: 4131-74-2  
Specifications & Purity: >98.0%(GC)  
Lot #: C2323059  
SKU #: **D154896**  
Analysis: **093002**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.31%
Density (20°C)	1.159-1.164	1.16
Refractive index n <sub>20</sub> /D	1.474-1.476	1.47
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager