

## Certificate of Analysis

Date of Testing: 2023-05-27 13:42:51

Date of Next Testing: 2027-05-26 13:42:51

Product Name: (S)-(-)- $\alpha$ -Methoxy- $\alpha$ -(trifluoromethyl)phenylacetic acid

CAS Number: 17257-71-5

Specifications & Purity: 98%

Lot #: E23061016

SKU #: M113470

Analysis: 203120

Storage Temperature: Store at 2-8°C

| Parameter                                                              | Limit Values                                             | Result                                                   |
|------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Purity(HPLC)                                                           | 98-100 (%)                                               | 99.89300 %                                               |
| Specific Rotation [a] <sub>D</sub> <sup>20</sup> (c=2-75--70 (°) MeOH) |                                                          | -70.36 °                                                 |
| Purity (Titration by NaOH)                                             | 97.5-102.5 (%)                                           | 100.86 %                                                 |
| Optical purity(HPLC)(ee)                                               | 99-100 (%)                                               | 99.00 %                                                  |
| Appearance (M113470)                                                   | White Powder, Crystals and/or Chunks or colorless liquid | White Powder, Crystals and/or Chunks or colorless liquid |
| Proton NMR spectrum                                                    | Conforms to Structure                                    | Conforms to Structure                                    |



John Su  
QA & QC Manager