

# Certificate of Analysis

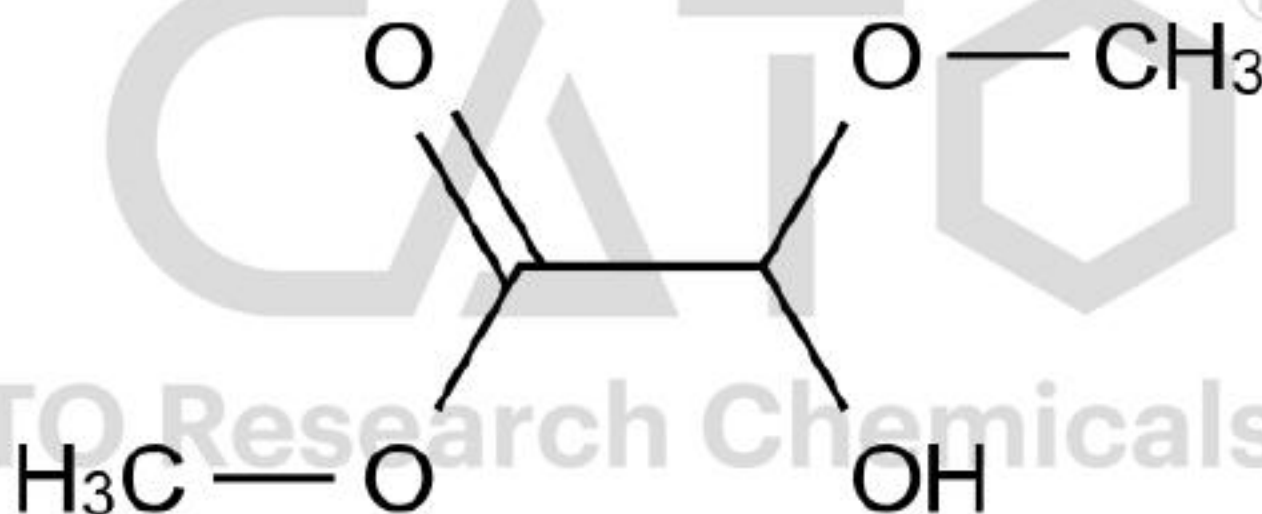
## Reference Material & Standard

|                           |                                                                                                                                                                                                                                               |                          |                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | 19757-97-2 Methyl hydroxymethoxyacetate Acetic acid, 2-hydroxy-2-methoxy-, methyl ester<br>Acetic acid, hydroxymethoxy-, methyl ester EINECS 243-271-2 2-Hydroxy-2-methoxy acetic acid, methyl ester<br>Glycolic acid, methoxy-, methyl ester | <b>Catalogue Number:</b> | C1454614                                  |
| <b>Synonyms:</b>          | N/A                                                                                                                                                                                                                                           | <b>Lot Number:</b>       | 1223-SA-7111                              |
| <b>CAS Number:</b>        | 19757-97-2                                                                                                                                                                                                                                    | <b>Expiry Date:</b>      | Dec 22, 27                                |
| <b>Molecular Formula:</b> | C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>                                                                                                                                                                                                  | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 120.10                                                                                                                                                                                                                                        |                          |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 98.852%   |

Signature:

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Date: Dec 23, 23

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Date: Dec 23, 23



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## Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Dec 23, 23 | First release.      |

