

## Certificate of Analysis

Date of Testing: 2025-03-14 09:52:23

Date of Next Testing: 2028-03-13 09:52:23

Product Name: **cis-Methyl 4-hydroxy-5-oxopyrrolidine-2-carboxylate**

CAS Number: 51163-88-3

Specifications & Purity:  $\geq 97\%$

Lot #: C2512406

SKU #: **M634021**

Version: **1**

Analysis #: **480525**

Storage Temperature: Room temperature

| Parameter                                               | Limit Values             | Result                   |
|---------------------------------------------------------|--------------------------|--------------------------|
| Purity(HPLC area)                                       | 97-100 (%)               | 97.00 %                  |
| specific rotation $[\alpha]_{20/D}$ (c=1.0g/100mL MEOH) | -52.4~-42.4 (°)          | -42.42000 °              |
| Appearance(M634021)                                     | White to Off-white Solid | White to off-white solid |
| NMR Spectrum 1H                                         | Conforms to Structure    | Conforms to Structure    |



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QA & QC Manager