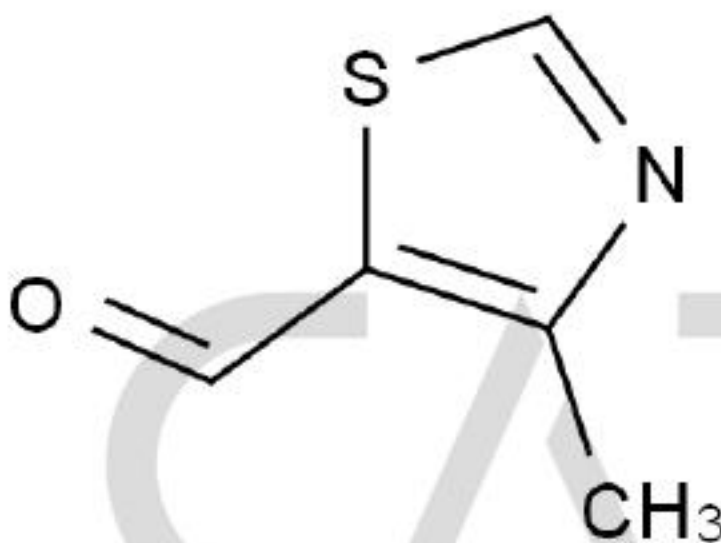


# Certificate of Analysis

## Reference Material & Standard

|                    |                                   |                   |                                           |
|--------------------|-----------------------------------|-------------------|-------------------------------------------|
| Product Name:      | 4-Methylthiazole-5-carboxaldehyde | Catalogue Number: | C3D-5059                                  |
| Synonyms:          | N/A                               | Lot Number:       | 0922-SA-7691                              |
| CAS Number:        | 82294-70-0                        | Expiry Date:      | Sep 21, 28                                |
| Molecular Formula: | C <sub>5</sub> H <sub>5</sub> NOS | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 127.16                            |                   |                                           |

Chemical Structure:



| Test Items      | Method            | Results                                                  |
|-----------------|-------------------|----------------------------------------------------------|
| Appearance      | Visual inspection | White to light yellow to light orange crystalline powder |
| Identification: | LC&HNMR           | Confirmed                                                |
| Purity:         | HPLC              | 98.606%                                                  |

Signature:

Prepared by:

*Lisa*

Reviewed by:

*Yuki*

Approved by General Manager:

*David*

Date: Sep 22, 24

Date: Sep 22, 24

Date: Sep 22, 24



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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           | Sep 22, 24 | First release.      |

