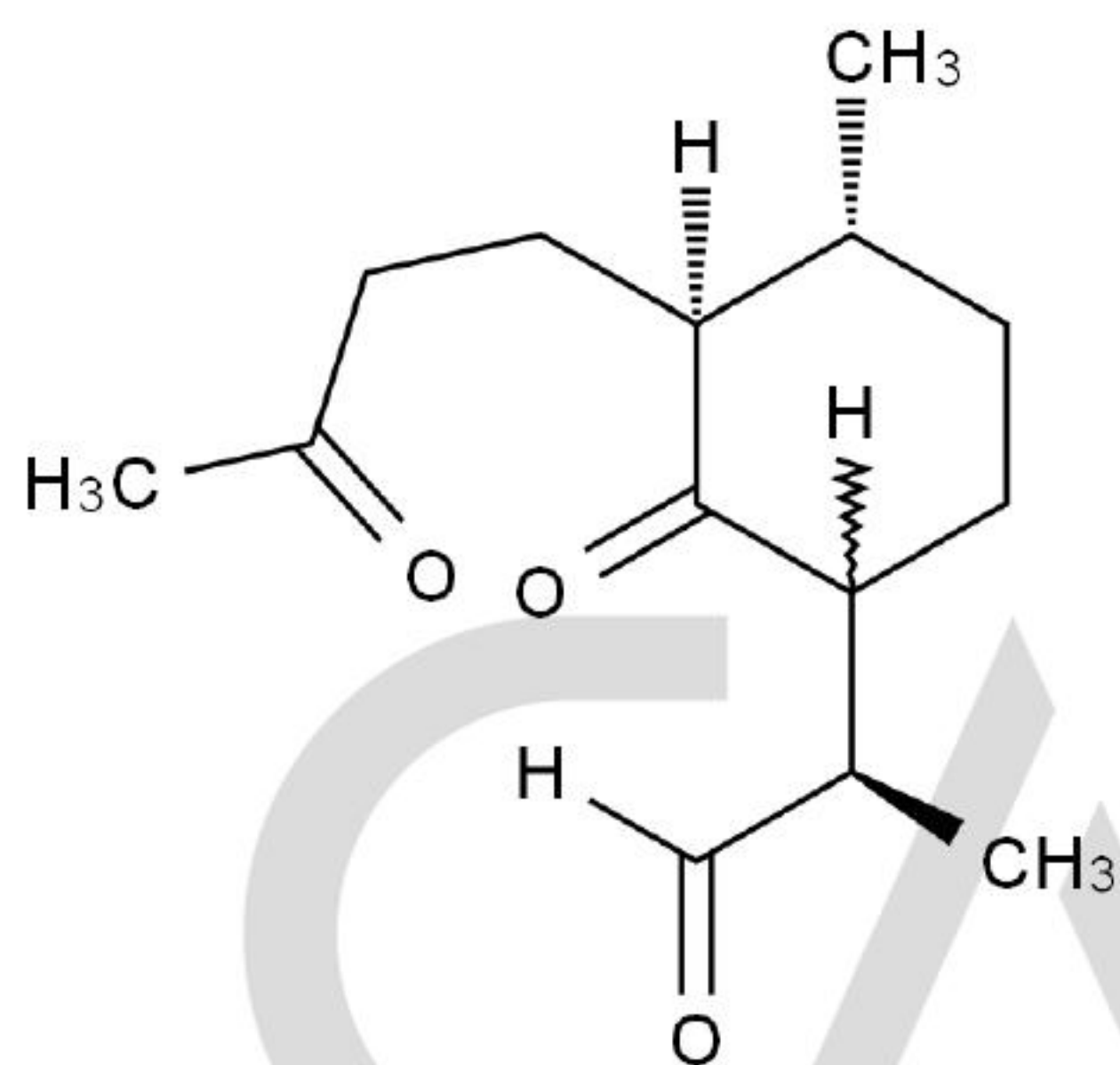


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                |                   |                                           |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Artemisinin Impurity 5                         | Catalogue Number: | C4X-20125                                 |
| Synonyms:          | N/A                                            | Lot Number:       | 0414-RG-0008                              |
| CAS Number:        | 1093625-96-7                                   | Expiry Date:      | Apr 15, 2028                              |
| Molecular Formula: | C <sub>14</sub> H <sub>22</sub> O <sub>3</sub> | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 238.32                                         |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Colourless Liquid |
| Identification | LCMS&CNMR&HNMR    | Confirmed         |
| Purity         | HPLC              | 90.792%           |
| Loss On Drying | TGA               | 0.5763%           |
| Assay          |                   | 90.3%             |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Apr 16, 2025

Date: Apr 16, 2025

Date: Apr 16, 2025

