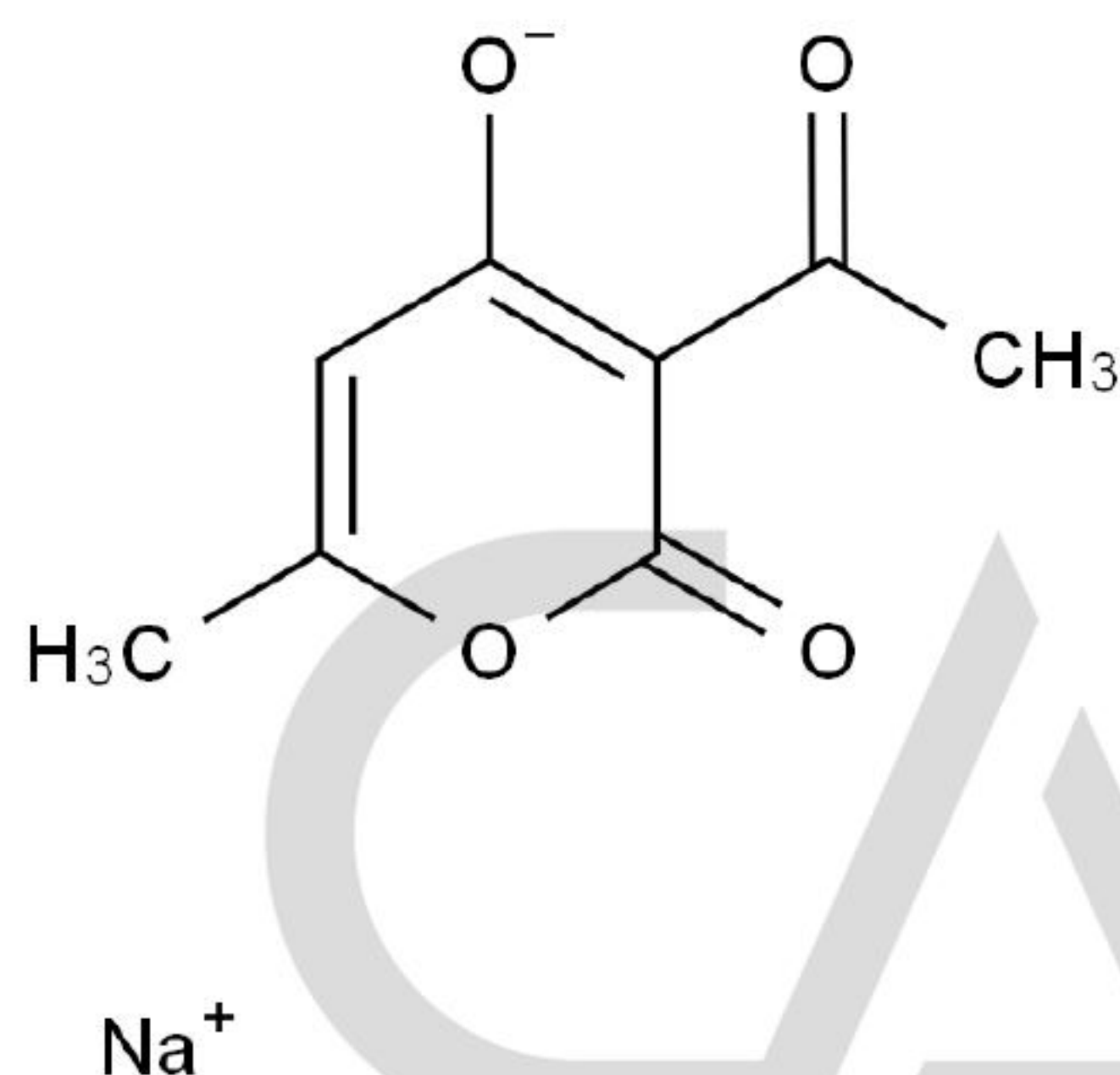


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                 |                          |                                                                                     |
|---------------------------|-------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| <b>Product Name:</b>      | Dehydroacetic acid sodium salt                  | <b>Catalogue Number:</b> | CCPD101680                                                                          |
| <b>Synonyms:</b>          | N/A                                             | <b>Lot Number:</b>       | 0218-RG-0088                                                                        |
| <b>CAS Number:</b>        | 4418-26-2                                       | <b>Expiry Date:</b>      | Feb 17, 2029                                                                        |
| <b>Molecular Formula:</b> | C <sub>8</sub> H <sub>7</sub> O <sub>4</sub> Na | <b>Storage:</b>          | Room Temp Protected from light and Sealed                                           |
| <b>Molecular Weight:</b>  | 167.14 22.99                                    | <b>Warning:</b>          |  |

Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Pale Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed         |
| Purity         | HPLC              | 99.9%             |
| Assay          | qNMR              | 91.1%             |
| Uncertainty    |                   | ±2.0%             |

## Comment:

1. Assay was determined by quantitative <sup>1</sup>H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Feb 18, 2025

Date: Feb 18, 2025

Date: Feb 18, 2025

