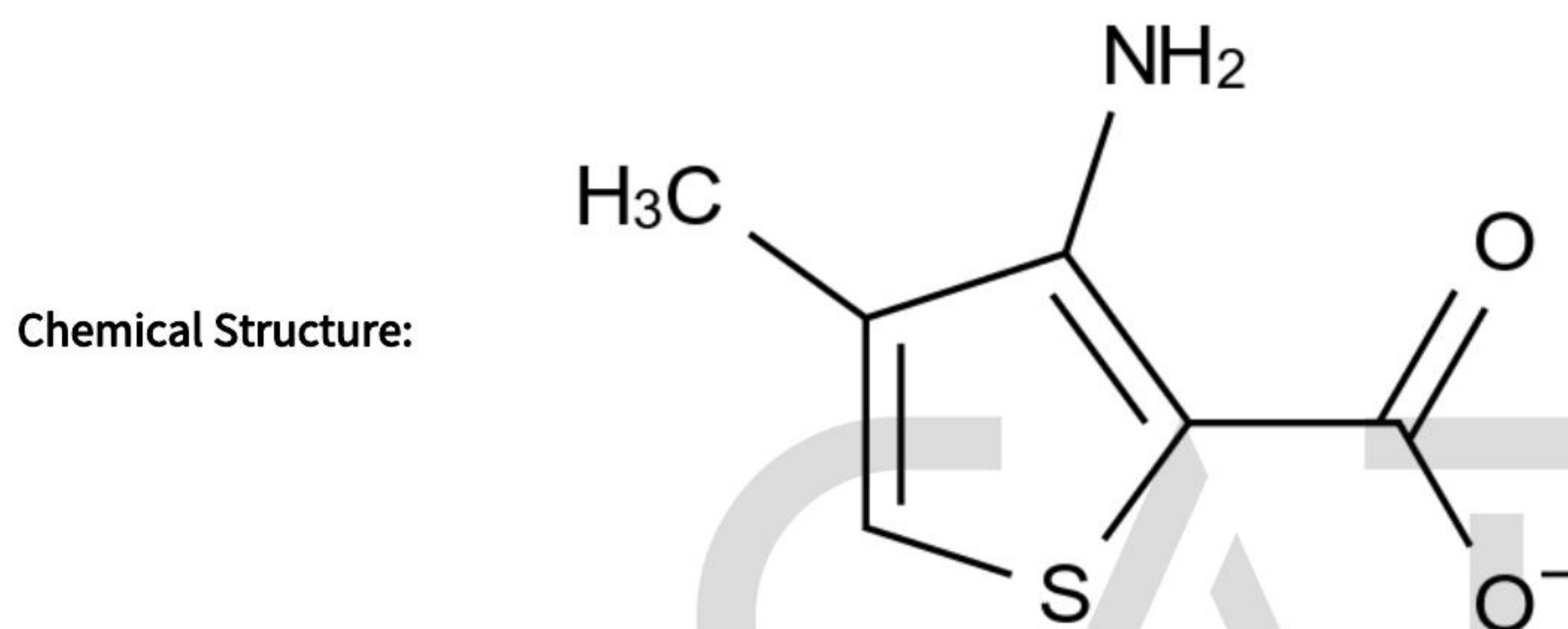


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                   |                   |                                           |
|--------------------|---------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Articaine Impurity 21                             | Catalogue Number: | C4X-191221                                |
| Synonyms:          | N/A                                               | Lot Number:       | 1011-RF-0058                              |
| CAS Number:        | 23968-18-5(free base)                             | Expiry Date:      | Oct 14, 2027                              |
| Molecular Formula: | C <sub>6</sub> H <sub>6</sub> NO <sub>2</sub> S K | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 156.18 39.10                                      |                   |                                           |



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Pale Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed         |
| Purity         | HPLC              | 100.0%            |
| Assay          | qNMR              | 87.8%             |

## Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Oct 15, 2024

Date: Oct 15, 2024

Date: Oct 15, 2024

