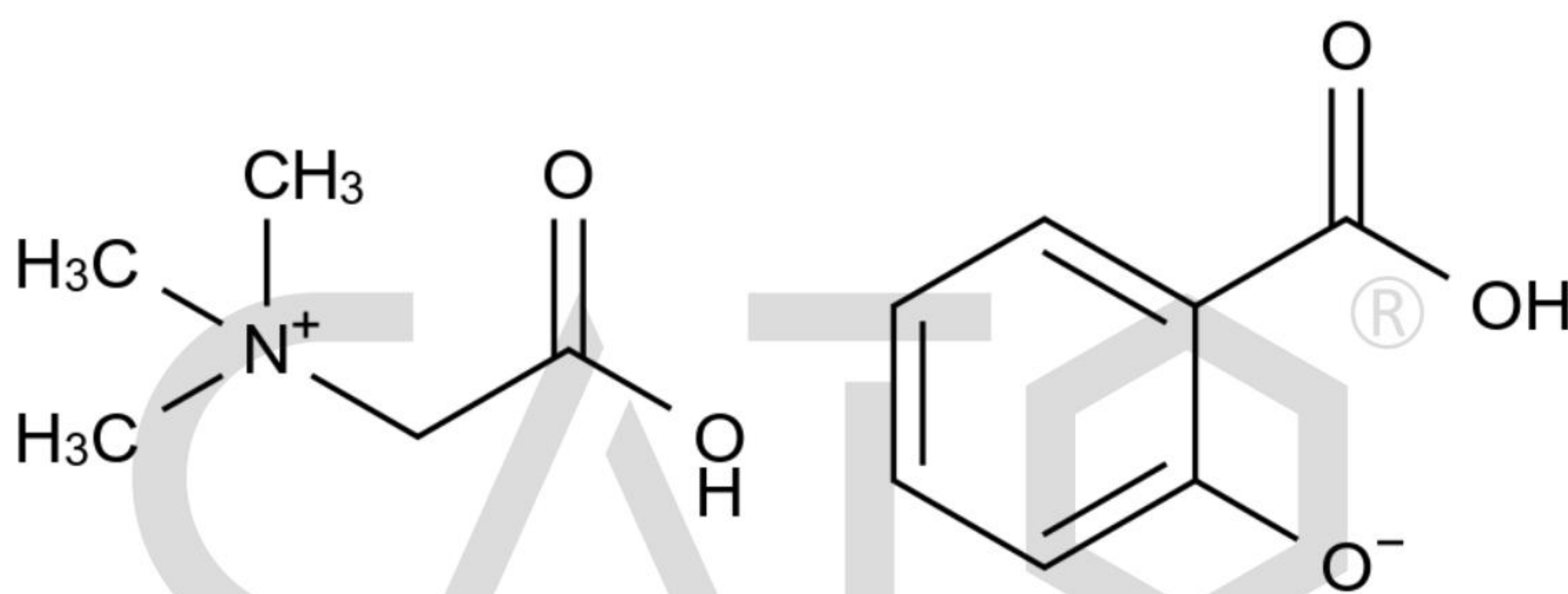


# Certificate of Analysis

## Reference Material & Standard

|                    |                    |                   |                                                                                     |
|--------------------|--------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Betaine salicylate | Catalogue Number: | CCHM705281                                                                          |
| Synonyms:          | N/A                | Lot Number:       | 0628-RE-0014                                                                        |
| CAS Number:        | 17671-53-3         | Expiry Date:      | Jun 28, 2027                                                                        |
| Molecular Formula: | C7H5O3 C5H12NO2    | Storage:          | -20°C±5°C Protected from light and Sealed                                           |
| Molecular Weight:  | 137.11 118.15      | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 99.2%       |
| Assay          | qNMR              | 99.1%       |
| 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:

*Yuki*

Reviewed by:

*Hin lam*

Approved by General Manager:

*David*

Date: Jun 29, 2023

Date: Jun 30, 2023

Date: Jun 30, 2023

