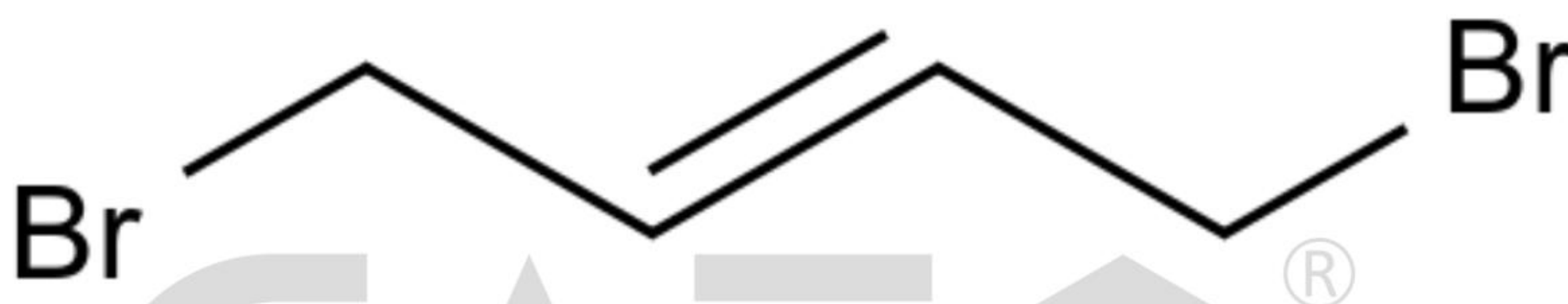


# Certificate of Analysis

## Reference Material & Standard

|                    |                                               |                   |                                                                                     |
|--------------------|-----------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | (E)-1,4-Dibromobut-2-ene                      | Catalogue Number: | C1926433                                                                            |
| Synonyms:          | N/A                                           | Lot Number:       | 0523-RG-0030                                                                        |
| CAS Number:        | 821-06-7                                      | Expiry Date:      | May 27, 2029                                                                        |
| Molecular Formula: | C <sub>4</sub> H <sub>6</sub> Br <sub>2</sub> | Storage:          | -20°C±5°C Protected from light and Sealed                                           |
| Molecular Weight:  | 213.90                                        | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Pale Yellow Solid |
| Identification | GCMS&HNMR         | Confirmed         |
| Purity         | GC                | 99.4%             |
| Assay          | qNMR              | 99.2%             |

## Comment:

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

Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: May 28, 2025

Date: May 28, 2025

Date: May 28, 2025

