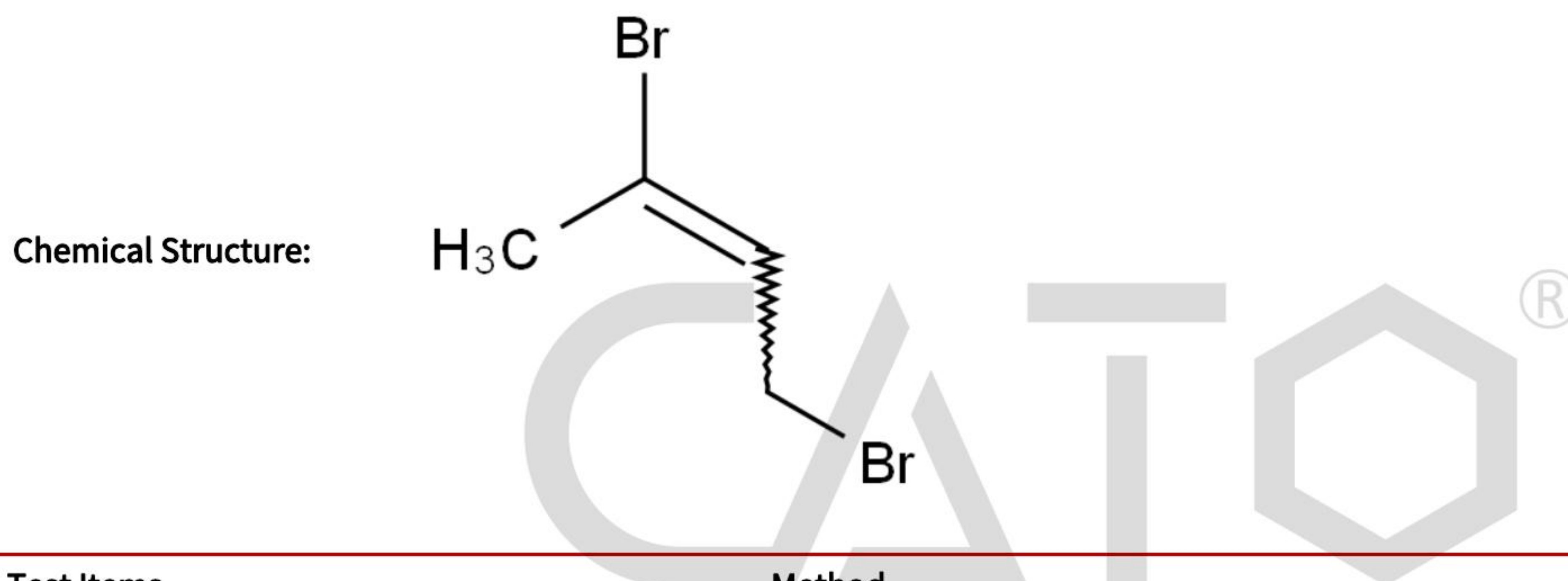


# Certificate of Analysis

## Reference Material & Standard

|                    |                                               |                   |                                           |
|--------------------|-----------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | 1,3-Dibromobut-2-ene                          | Catalogue Number: | C4X-21394                                 |
| Synonyms:          | N/A                                           | Lot Number:       | 0829-RG-0093                              |
| CAS Number:        | 64930-16-1                                    | Expiry Date:      | Jun 18, 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                                        |                   |                                           |



| Test Items     | Method            | Results             |
|----------------|-------------------|---------------------|
| Appearance     | Visual inspection | Light Yellow Liquid |
| Identification | LCMS&CNMR&HNMR    | Confirmed           |
| Purity         | HPLC              | 99.8%               |
| Assay          | qNMR              | 97.5%               |

Signature:

Prepared by:

*Lily*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Sep 01, 2025

Date: Sep 01, 2025

Date: Sep 01, 2025

