

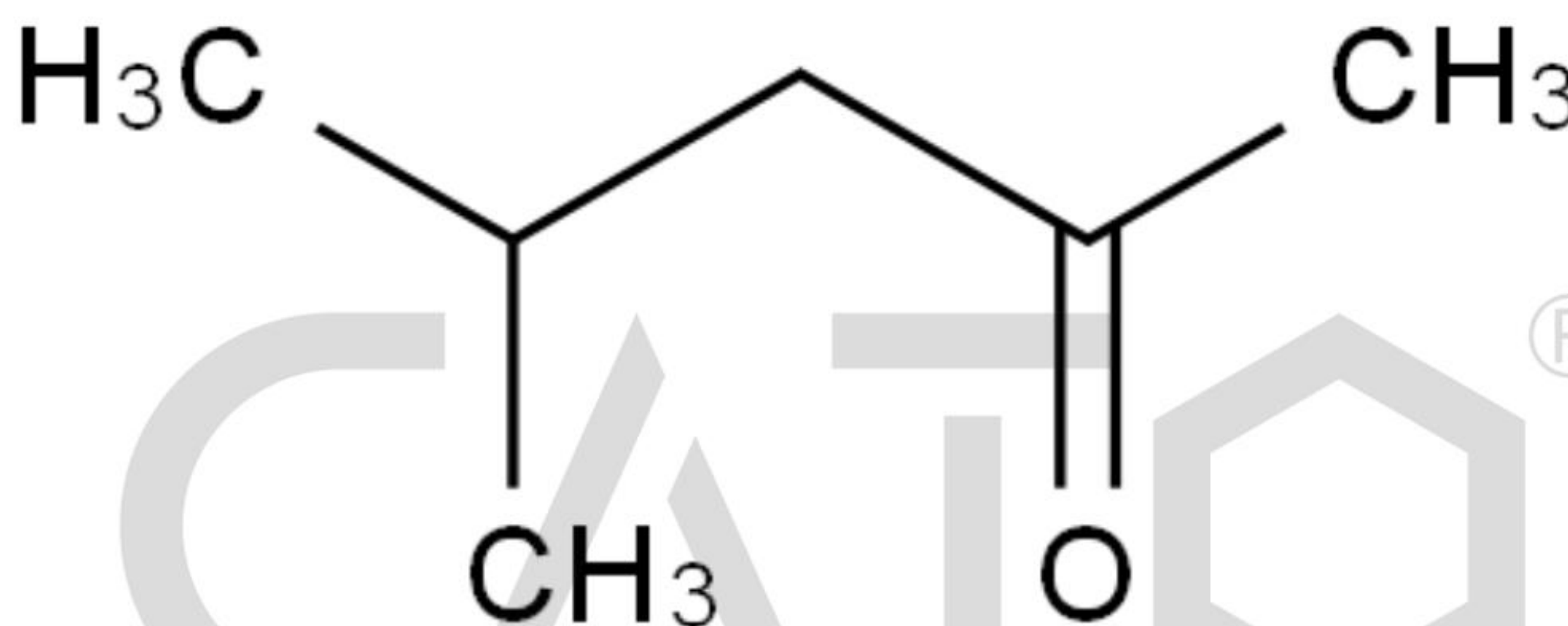
# Certificate of Analysis

## Reference Material & Standard

|                    |                                  |                   |                                           |
|--------------------|----------------------------------|-------------------|-------------------------------------------|
| Product Name:      | 4-Methyl-2-Pentanone             | Catalogue Number: | CCEM500414                                |
| Synonyms:          | N/A                              | Lot Number:       | 0201-RF-0059                              |
| CAS Number:        | 108-10-1                         | Expiry Date:      | Feb 03, 2028                              |
| Molecular Formula: | C <sub>6</sub> H <sub>12</sub> O | Storage:          | Room Temp Protected from light and Sealed |
| Molecular Weight:  | 100.16                           | Warning:          |                                           |



Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Colourless Liquid |
| Identification | GCMS&HNMR         | Confirmed         |
| Purity         | GC                | 100.0%            |
| Assay          | qNMR              | 99.4%             |
| 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:

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Reviewed by:

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*David*

Date: Feb 04, 2024

Date: Feb 04, 2024

Date: Feb 04, 2024

