

# Certificate of Analysis

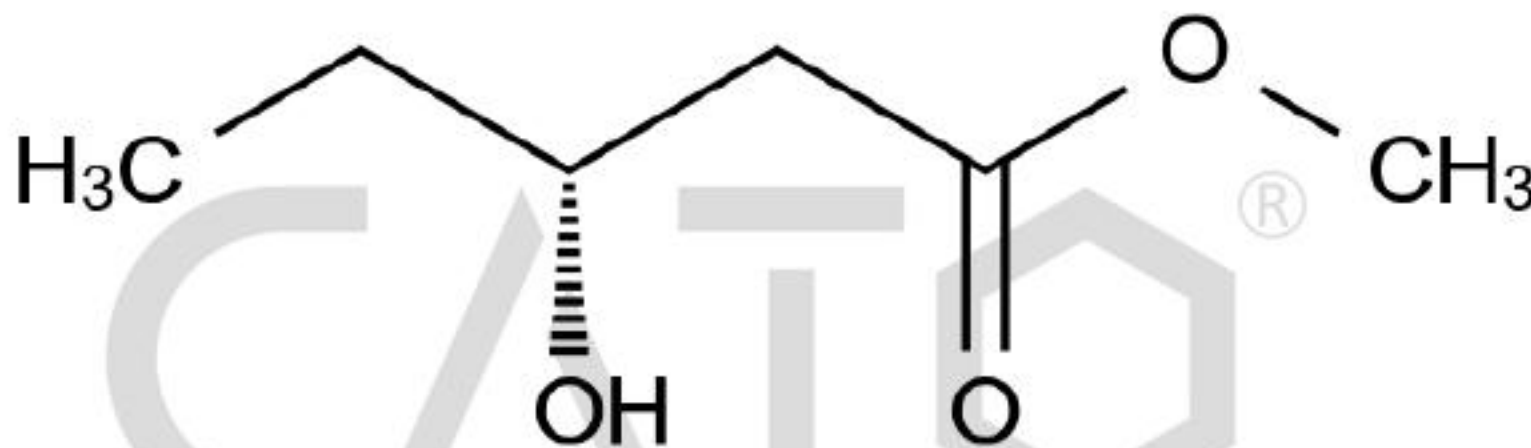
## Reference Material & Standard

|                    |                                                      |                   |                                           |
|--------------------|------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | (-)-Methyl (R)-3-hydroxyvalerate(Mixture of isomers) | Catalogue Number: | C1922538                                  |
| Synonyms:          | N/A                                                  | Lot Number:       | 0620-SA-7975                              |
| CAS Number:        | 60793-22-8                                           | Expiry Date:      | Jun 19, 28                                |
| Molecular Formula: | C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>        | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 132.16                                               |                   |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.162%   |
| Uncertainty     |                   | ±2.0%     |

## Comment:

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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Approved by General Manager:

David

Date: Jun 20, 24

Date: Jun 20, 24

Date: Jun 20, 24



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## Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Jun 20, 24 | First release.      |

