



## **CERTIFICATE OF ANALYSIS**

Date: 19-06-2025

| Product Name                   | Pentobarbital Isopropyl Analog                                   |  |             |  |  |
|--------------------------------|--|--|-------------|--|--|
| Chemical Name                  | 5-Ethyl-5-(4-methylpentan-2-yl)pyrimidine-2,4,6(1H,3H,5H)-trione |  |             |  |  |
| Structure                      | ×  |  |             |  |  |
| Batch. No.                     | -  | CAS No.                                  | [2964-06-9] |  |  |
| Analysis Date                  | -  | Retest Date                              | -           |  |  |
| Mol. Formula                   | $C_{12}H_{20}N_2O_3$   | Molecular Wt.                            | 240.3       |  |  |
| Long term Storage Condition    |  | Store at 2-8 °C in well closed container |             |  |  |
| Handling and Transit Condition |  | 25-30 °C in well closed container        |             |  |  |

| Test  | Result                |  |  |  |
|---|-----------------------|--|--|--|
| Appearance  | -                     |  |  |  |
| Solubility  | -                     |  |  |  |
| 1H-NMR  | Conforms to structure |  |  |  |
| MASS  | Conforms to structure |  |  |  |
| Chromatographic Purity  | >90%                  |  |  |  |
| Note: This material should be used for research purpose and not for human or animal |                       |  |  |  |

consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

|           | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature |             |            |             |
| Date      |             |            |             |

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