

# Certificate of Analysis

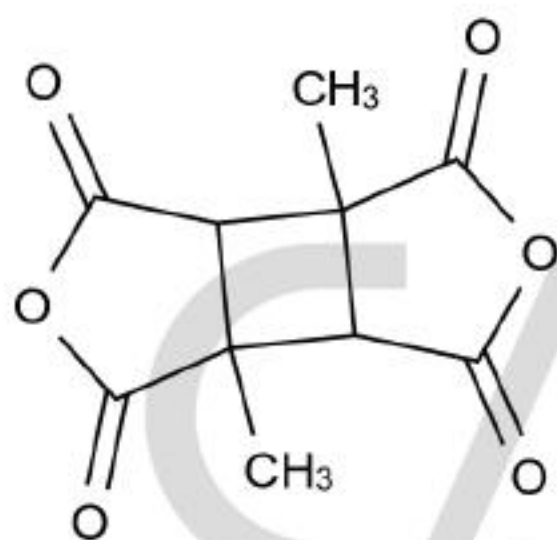
## Reference Material & Standard

|                           |                                                                           |                          |                                           |
|---------------------------|---------------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | 1,3-dimethyl-cyclobutane-1,2,3,4-tetracarboxylic acid-1,2:3,4-dianhydride | <b>Catalogue Number:</b> | CIM-102379                                |
| <b>Synonyms:</b>          | N/A                                                                       | <b>Lot Number:</b>       | 1115-SA-7115                              |
| <b>CAS Number:</b>        | 137820-87-2                                                               | <b>Expiry Date:</b>      | Nov 15, 27                                |
| <b>Molecular Formula:</b> | C <sub>10</sub> H <sub>8</sub> O <sub>6</sub>                             | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 224.17                                                                    |                          |                                           |

Warning:



Chemical Structure:



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.699%   |
| 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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Date: Nov 15, 25

Date: Nov 15, 25

Date: Nov 15, 25



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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           | Nov 15, 25 | First release.      |

