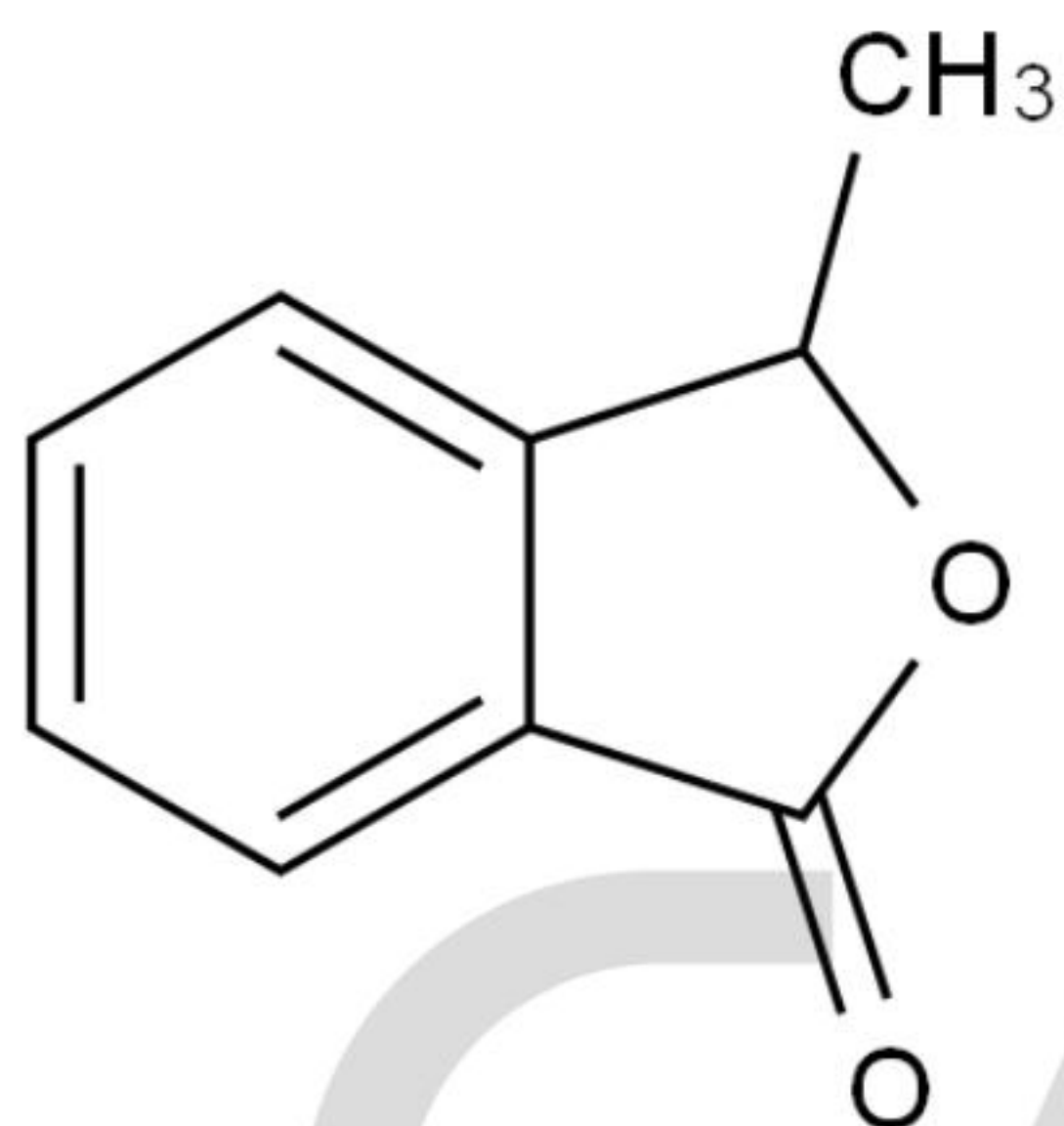


# Certificate of Analysis

## Reference Material

|                    |                                              |                   |                                           |
|--------------------|----------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Butylphthalide Impurity 15                   | Catalogue Number: | C4X-181315                                |
| Chemical Name:     | N/A                                          | Lot Number:       | 0901-RE-0037                              |
| CAS Number:        | 3453-64-3                                    | Expiry Date:      | Sep 04, 2026                              |
| Molecular Formula: | C <sub>9</sub> H <sub>8</sub> O <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 148.16                                       |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results           |
|----------------|-------------------|-------------------|
| Appearance     | Visual inspection | Colourless Liquid |
| Identification | LCMS&IR&UV&HNMR   | Confirmed         |
| Purity         | HPLC              | 99.6%             |
| Assay          | qNMR              | 94.6%             |

## Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

## Signature:

Prepared by:

*Koi*

Reviewed by:

*Lisa*

Aporoved by General manager:

*David*

Date: Sep 05, 2023

Date: Sep 05, 2023

Date: Sep 05, 2023

