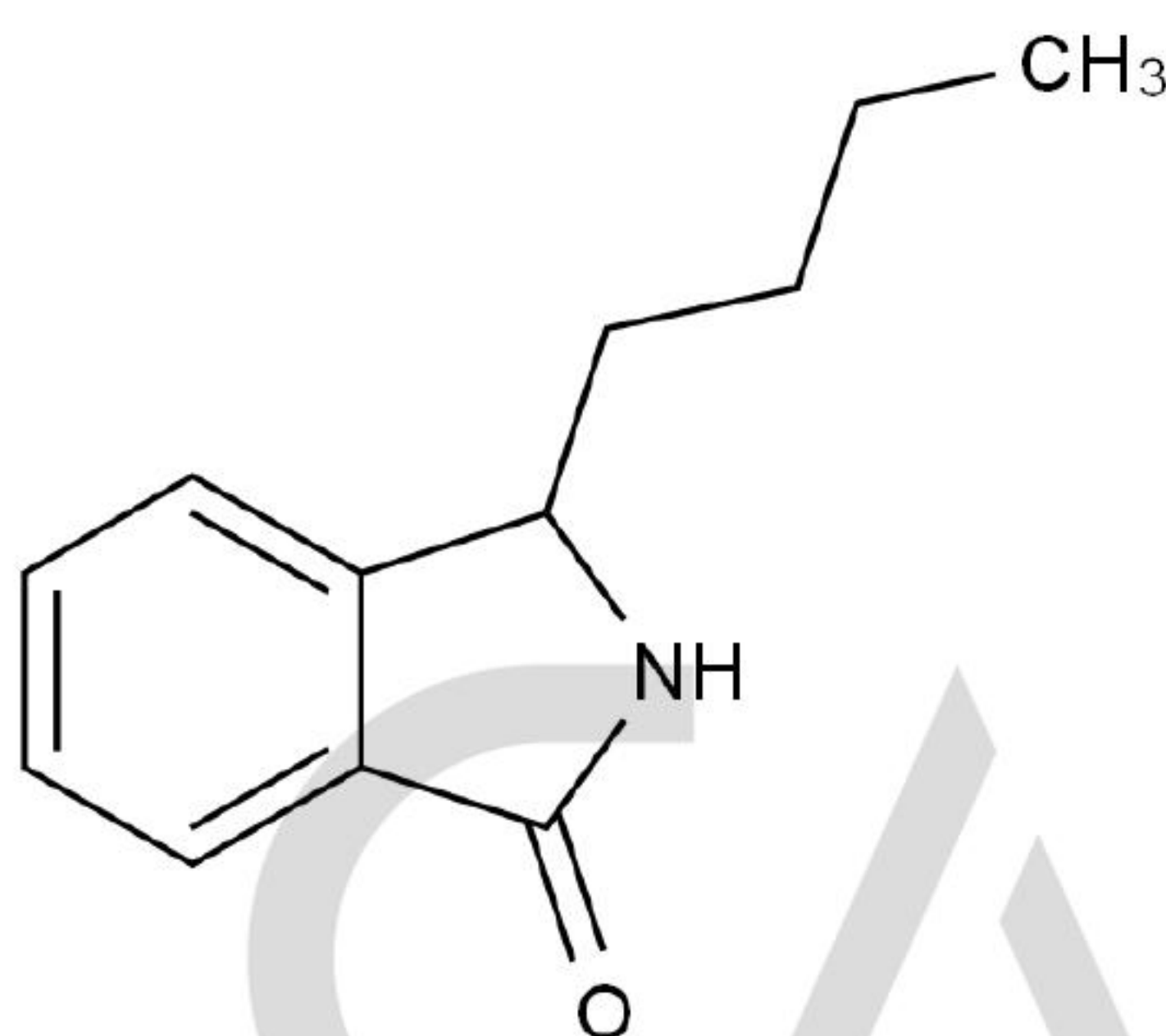


# Certificate of Analysis

## Reference Material & Standard

|                    |                                    |                   |                                           |
|--------------------|------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Butylphthalide Impurity 7          | Catalogue Number: | C4X-18137                                 |
| Synonyms:          | N/A                                | Lot Number:       | 0311-RF-0034                              |
| CAS Number:        | 122654-56-2                        | Expiry Date:      | Mar 13, 2027                              |
| Molecular Formula: | C <sub>12</sub> H <sub>15</sub> NO | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 189.25                             |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 97.757%     |
| Loss On Drying | TGA               | 0.0178%     |
| Assay          |                   | 97.7%       |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) \* Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Aporoved by General Manager:

*David*

Date: Mar 14, 2024

Date: Mar 14, 2024

Date: Mar 14, 2024

