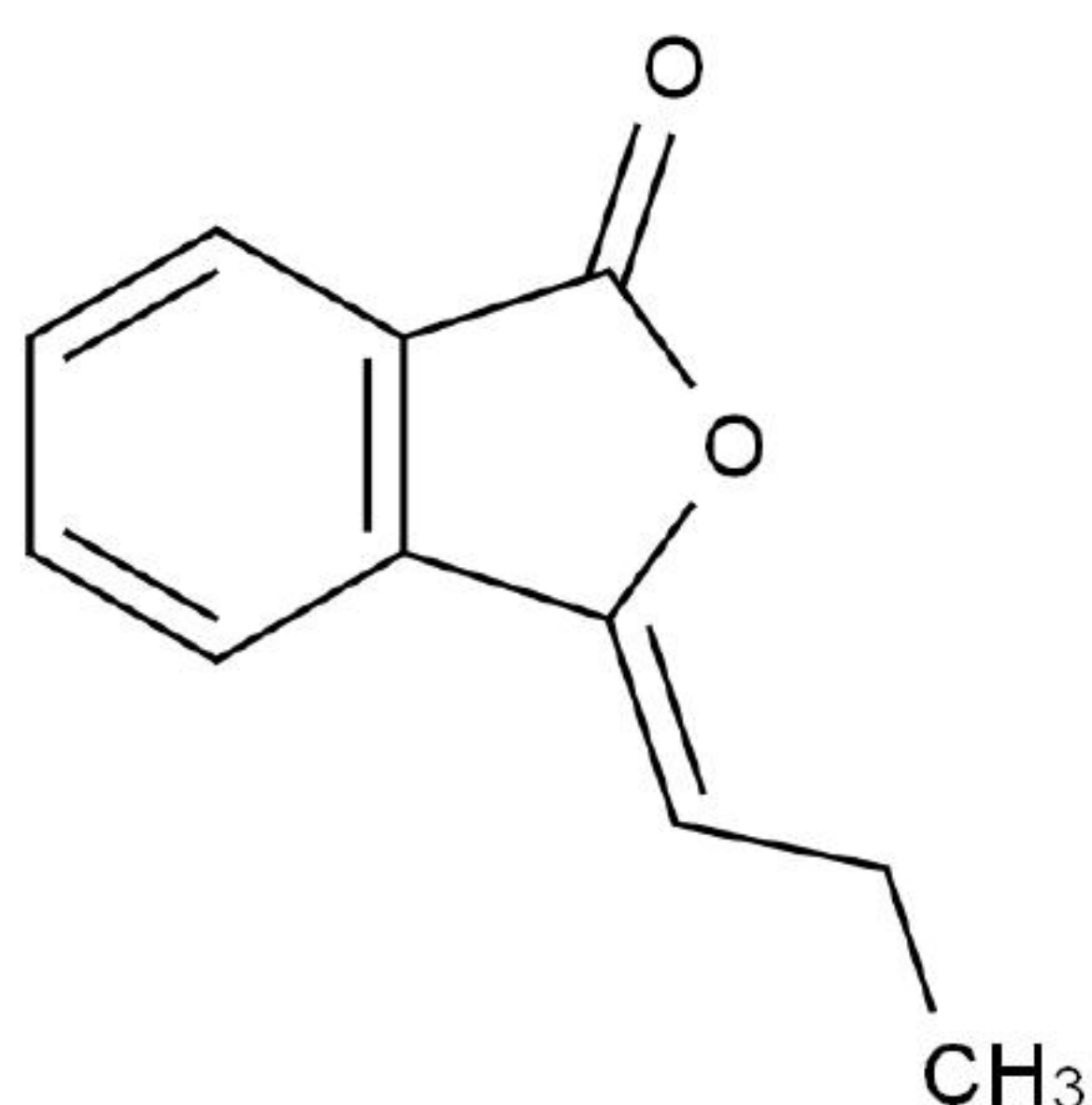


Certificate of Analysis

Reference Material & Standard

Product Name:	3-Propylidenephthalide	Catalogue Number:	CCHM704924
Synonyms:	N/A	Lot Number:	0726-RE-0053
CAS Number:	17369-59-4	Expiry Date:	Jul 31, 2027
Molecular Formula:	C11H10O2	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	174.20		
Chemical Structure:			



Warning:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.376%
Water Content	Karl Fischer	0.2684%
Assay		96.1%
Uncertainty		±2.0%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

2. 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:

Prepared by: 古雪

Reviewed by:

Lisa

Aproved by General Manager:

David

Date: Aug 01, 2023

Date: Aug 01, 2023

Date: Aug 01, 2023

