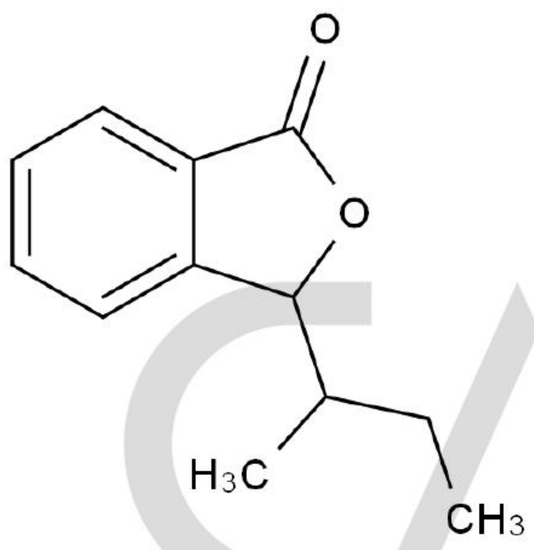
Certificate of Analysis

Reference Material & Standard

Product Name:	Butylphthalide Impurity 56	**Catalogue Number:**	C4X-181356
Synonyms:	N/A	**Lot Number:**	1018-RE-0059
CAS Number:	261783-87-3	**Expiry Date:**	Nov 06, 2029
Molecular Formula:	$C_{12}H_{14}O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	190.24	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Liquid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.9%
Assay	qNMR	97.4%

CATO Research Chemicals Inc.

Comment:

A mixture of diastereoisomers, with a ratio of approximately 2:1.

Signature:

Prepared by: Koji Date: Nov 16, 2026

Reviewed by: Lisa Date: Nov 16, 2026

Approved by General Manager: David Date: Nov 16, 2026

CATO Research Chemicals Inc.