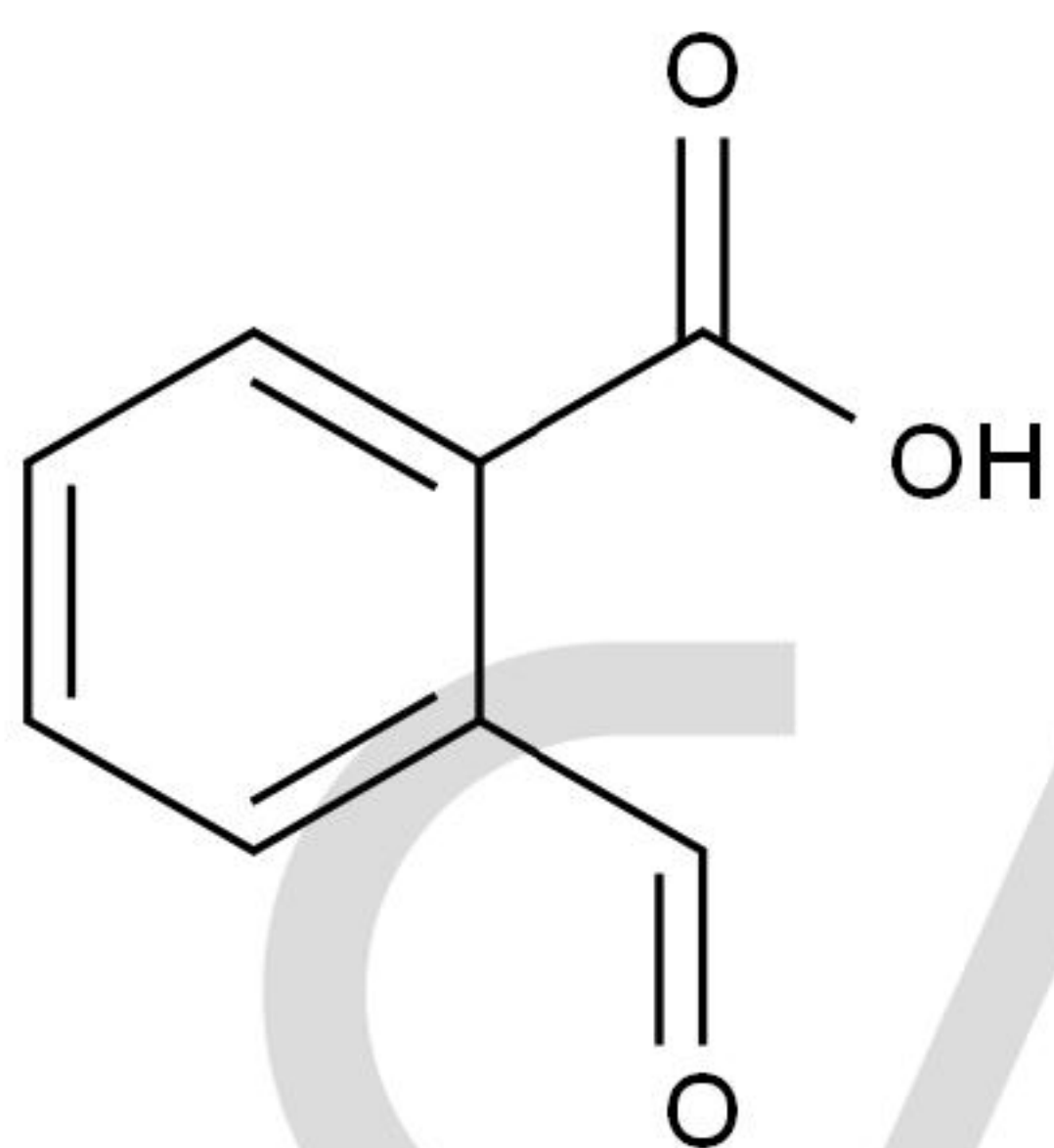


Certificate of Analysis

Reference Material & Standard

Product Name:	Butylphthalide Impurity 1	Catalogue Number:	C4X-18131
Synonyms:	N/A	Lot Number:	0414-RB-0037-1
CAS Number:	119-67-5	Expiry Date:	Jul 17, 2027
Molecular Formula:	C ₈ H ₆ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	150.13	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	HRMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.8352%
Water Content	Karl Fischer	0.1295%
Residual Solvents	NMR	Not detected in NMR
Residue on Ignition	Muffle Furnace	0.09%
Assay		99.6%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents - Residue on Ignition) * Purity HPLC (%) / 100%

Water Content, Residual Solvents and Residue on Ignition are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jan 10, 2025

Date: Jan 13, 2025

Date: Jan 13, 2025

