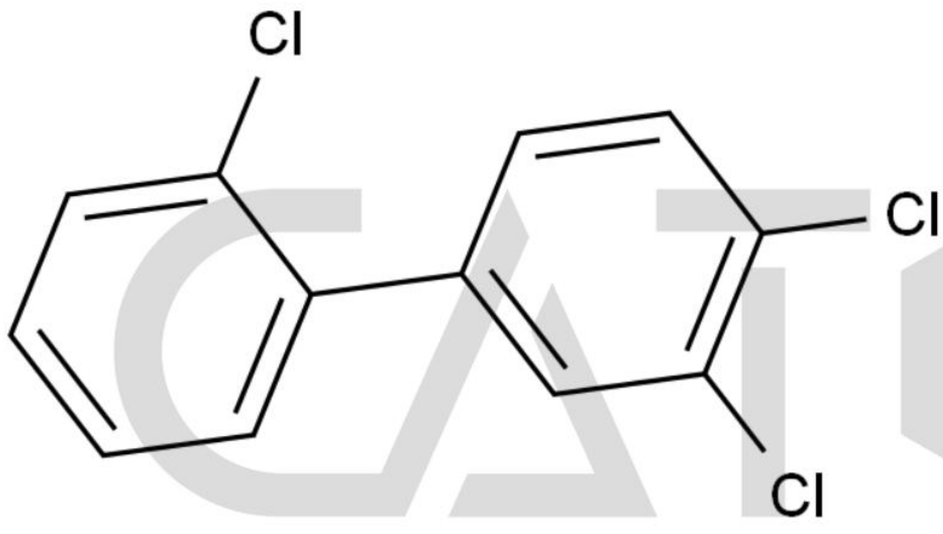
Certificate of Analysis

Reference Material & Standard

Product Name:	Pcb No. 33	**Catalogue Number:**	CWLT600385
Synonyms:	N/A	**Lot Number:**	0125-RD-0003
CAS Number:	38444-86-9	**Expiry Date:**	May 25, 2027
Molecular Formula:	$C_{12}H_7Cl_3$	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	257.54		

Warning:

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Liquid
Purity	GC	98.84%
Water Content	Karl Fischer	0.2327%
Assay		98.6%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.

2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

*Assay (%) = (100%-Water Content) * Purity GC (%) /100%*

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

3. 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: Xenia Date: May 25, 2021

Reviewed by: Cady Date: Jan 26, 2022

Approved by General Manager: David Date: Jan 26, 2022

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