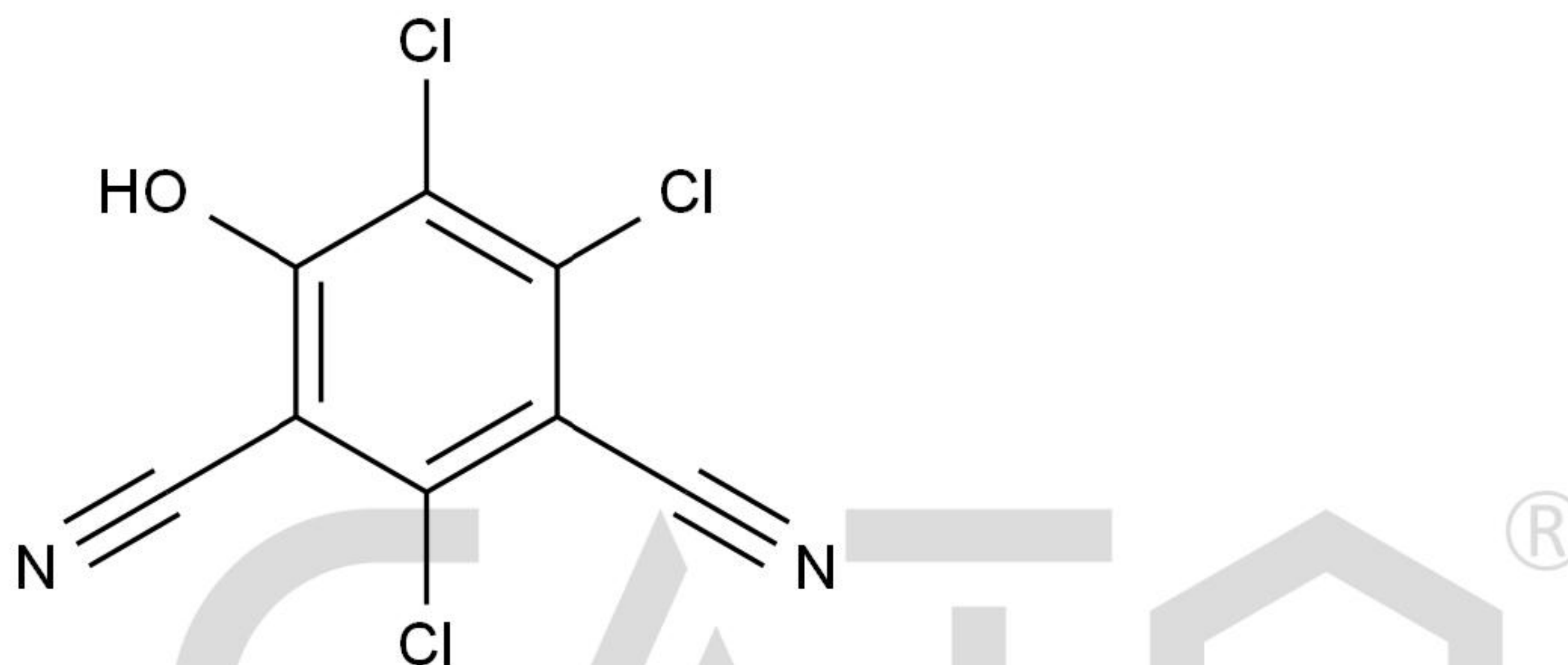


Certificate of Analysis

Reference Material

Product Name:	Hydroxy Chlorothalonil	Catalogue Number:	CCPD101646
Chemical Name:	N/A	Lot Number:	1221-RD-0016
CAS Number:	28343-61-5	Expiry Date:	Mar 18, 2026
Molecular Formula:	C ₈ HCl ₃ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	247.47		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Purity	UPLC	94.89%
Water Content	Karl Fischer	0.20%
Assay		94.7%
Uncertainty		±3.0%

Comment:

1. No chromatogram available.
2. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

Water Content is considered as absolute effect, UPLC 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

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Mar 19, 2020

Date: Dec 27, 2022

Date: Dec 27, 2022

