



CERTIFICATE OF ANALYSIS

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1. Identification

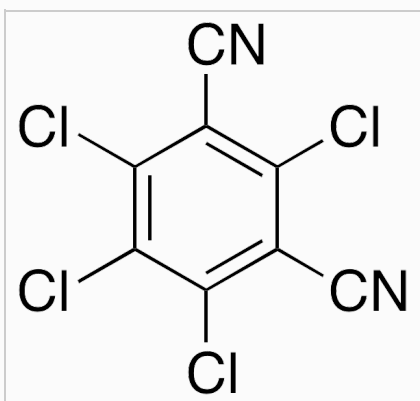
Catalogue Number: C411250

CAS Number: 1897-45-6

Product: Chlorothalonil

Synonym: Dicyanotetrachlorobenzene; 2,4,5,6-Tetrachloro-1,3-dicyanobenzene; Tetrachloroisophthalonitrile; Nopcocide; Tetrachlorobenzene-1,3-dicarbonitrile;

Structure:



Molecular Formula:

C₈Cl₄N₂

Molecular weight:

265.91

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Sparingly), Methanol (Slightly)

Lot Number: 20-GHZ-42-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1: Light Sensitive

Warning 2: Toxic

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
FT-IR	Conforms to Structure	Conforms
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 36.20, %N: 10.47
HPLC Purity	>95%	99.39% (235 nm)

Additional Information:

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 8 : 2; Visualized with UV and KMnO₄; Single Spot, R_f = 0.60. Elemental Analysis: (Theoretical) %C: 36.13, %N: 10.53

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Eric Beaton	My Nguyen	10/24/2019	10/22/2026