



CERTIFICATE OF ANALYSIS

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1. Identification

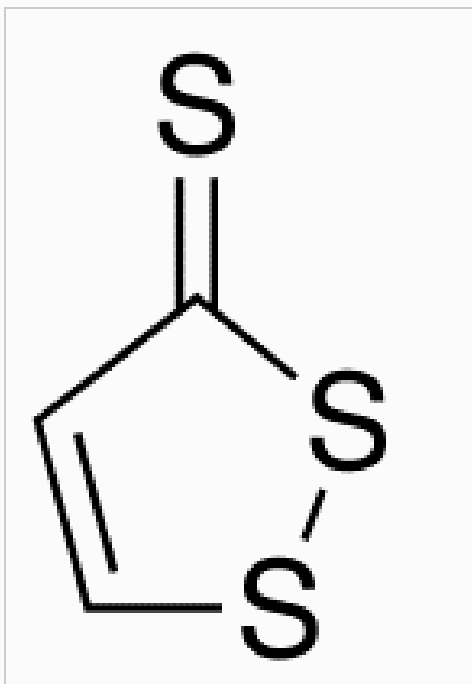
Catalogue Number: D494365

CAS Number: 534-25-8

Product: 3H-1,2-Dithiole-3-thione

Synonym: 1,2-Dithiole-3-thione; D3T;

Structure:



Molecular Formula:

C₃H₂S₃

Molecular weight:

134.24

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 6-EQJ-146-2

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1: Stench

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Red to Very Dark Brown Solid	Very Dark Red to Very Dark Brown Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 26.93, %H: 1.36
HPLC Purity	>95%	99.81% (315 nm)

Additional Information:

TLC Conditions: SiO₂; Hexanes : Ethyl Acetate = 6 : 4; Visualized with UV, KMnO₄, and Naked Eye; Single Spot, R_f = 0.55. Elemental Analysis: (Theoretical) %C: 26.84, %H: 1.50

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
Eric Beaton	Toni Rantanen	My Nguyen	1/20/2020	1/18/2030
				