



CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: C364825

CAS Number: 4635-59-0

Synonym: 4-Chloro-Butanoyl Chloride; 4-Chlorobutanoic Acid Chloride; 4-Chlorobutanoyl Chloride; 4-Chlorobutyric Acid Chloride; 4-Chlorobutyryl Chloride; γ -Chlorobutyryl Chloride; γ -Chlorobutyryl Chloride; ω -Chlorobutanoyl Chloride; ω -Chlorobutyryl Chloride

Product: 4-Chlorobutyryl Chloride

Structure:



Molecular Formula:

C₄H₆Cl₂O

Molecular weight:

140.99

Source of Product:

N/A

Solubility:

Chloroform, DMSO
(Sparingly), Ethyl Acetate
(Slightly)

Lot Number: 2-FGD-410-1

Purity: 95%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 34.42, %H: 4.46
Appearance	Colourless to Pale Yellow Oil	Clear Colourless Oil
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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	Toni Rantanen	Chanell Chu	6/11/2021	6/9/2025