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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2025

Re-test Date: Nov 2028

Product Name: 4-Chlorobutanoic anhydride

Identification:

Chemical Name: 4-Chlorobutanoic anhydride

Synonyms : NA

CAS Number : 20496-01-9

CAT Number : CP-CS1593

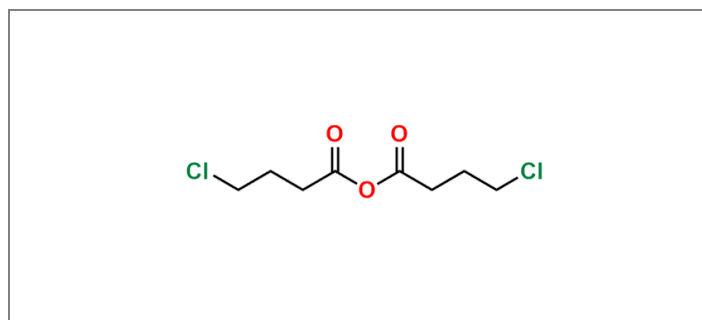
Molecular Formula : C₈H₁₂Cl₂O₃

Molecular Weight : 227.1

Batch Number : CP-38-18

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow Liquid
2)	Solubility	Soluble in Methanol/CDCI ₃
3)	MASS By LCMS	Confirm to Structure
4)	Assay by QNMR	97.94%
5)	¹ HNMR	Confirm to Structure
6)	Weight loss by TGA	6.477%



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.