

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 10543
Lot Number 000127-0565583
Product **1-Amino-4-chloro-2-butyne•HCl**

4-Chlorobut-2-yn-1-amine hydrochloride

CAS Number 77369-59-6
Molecular Formula C₄H₆ClN·HCl

Molecular Weight 140.01

Appearance Slightly beige powder
Solubility Clear, slightly orange solution (50 mg/mL in MeOH)
Elemental Analysis (Theory) C: 34.3%, H: 5.0%. N: 10.0%
Calc. as x 1 HCl
Elemental Analysis (Found) C: 34.0%, H: 5.0%. N: 10.1%
Calc. as x 1 HCl
Water Content (Karl Fisher) 0.3%
TLC System Chloroform/Methanol (7:3)
Chloroform/Methanol/Acetic acid (77.5:15:7.5)
Ethyl acetate/Pyridine/Acetic acid/Water (60:30:9:16.5)
Plate: Silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine
Purity by TLC > 98%
Storage Store at 0-8 °C
Additional Information Chloride content: 25.7% (AgNO₃)

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager