

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Catalogue Number</b> | 19301                                |
| <b>Product</b>          | <b>3-Butyn-1-amine hydrochloride</b> |

|                   |                                                      |
|-------------------|------------------------------------------------------|
| <b>Lot Number</b> | 001419-19301-030613<br>But-3-ynylamine hydrochloride |
|-------------------|------------------------------------------------------|

|                          |                                     |
|--------------------------|-------------------------------------|
| <b>CAS Number</b>        | 88211-50-1                          |
| <b>Molecular Formula</b> | C <sub>4</sub> H <sub>7</sub> N•HCl |

|                         |        |
|-------------------------|--------|
| <b>Molecular Weight</b> | 105.57 |
|-------------------------|--------|

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|                   |             |
|-------------------|-------------|
| <b>Appearance</b> | White solid |
|-------------------|-------------|

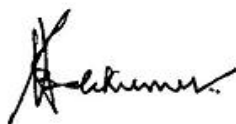
|                          |                       |
|--------------------------|-----------------------|
| <b><sup>1</sup>H NMR</b> | Conforms to structure |
|--------------------------|-----------------------|

|               |             |
|---------------|-------------|
| <b>Purity</b> | > 95% (NMR) |
|---------------|-------------|

|                |                 |
|----------------|-----------------|
| <b>Storage</b> | Store at 0-8 °C |
|----------------|-----------------|

|                |                                                                                      |
|----------------|--------------------------------------------------------------------------------------|
| <b>Remarks</b> | See material safety data sheet for additional information<br>For laboratory use only |
|----------------|--------------------------------------------------------------------------------------|

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



**Bala Kumar**  
**Quality Control Manager**