

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 23444  
**Lot Number** 001588-0183-9995  
**Product** **3-(Methanesulfonyl)pyrrolidine hydrochloride**

3-(Methylsulfonyl)pyrrolidine hydrochloride

**CAS Number** 1215368-15-2  
**Molecular Formula** C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>S·HCl  
**Molecular Weight** 185.71

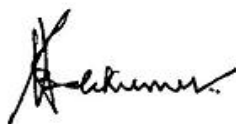
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**Appearance** White powder  
**Melting Point** 221.0-222.0 °C  
**Elemental Analysis (Found)** C = 32.16%; H = 6.40%; S = 16.81%  
**Water Content (Karl Fisher)** 0.3%  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity** > 96% (NMR)  
**Storage** Store at 0-8 °C

**Additional Information** HCl content = 19.5%

**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**