

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	05914
<b>Lot Number</b>	000127-1000014274
<b>Product</b>	<b>S-Benzyl-L-cysteine ethyl ester hydrochloride</b>  L-Cys(Bzl)-OEt•HCl
<b>CAS Number</b>	52844-67-4
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub> S•HCl
<b>Molecular Weight</b>	275.8

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<b>Appearance</b>	White powder
<b>Appearance of Solution</b>	Clear colorless solution (50 mg/mL in ethanol)
<b>Melting Point</b>	162 °C
<b>Elemental Analysis (Found)</b>	C = 51.98% H = 6.70% N = 5.05%
<b>TLC System</b>	Ethyl acetate/Pyridine/Acetic acid/H <sub>2</sub> O (60:10:3:4) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Chloroform/Methanol/Benzene/H <sub>2</sub> O (8:8:8:1) Plate: Silica gel 60 F <sub>254</sub> Detected by : UV, ninhydrin, chlorine-tolidine
<b>Titration</b>	Chloride content : 12.9% (AgNO <sub>3</sub> )
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0 - 8 °C

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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**