

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	02152
<b>Lot Number</b>	000424-150129-12122
<b>Product</b>	<b>Z-S-benzyl-L-cysteine</b> Z-L-Cys(Bzl)-OH
<b>CAS Number</b>	3257-18-9
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>19</sub> NO <sub>4</sub> OS
<b>Molecular Weight</b>	345.4

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	96.3 - 97.0 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -60.7 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.44%
<b>Storage</b>	Store at ≤ 25 °C
<b>Remarks</b>	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**