

# 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

<b>Catalogue Number</b>	03823
<b>Product</b>	<b>Boc-S-3-nitro-2-pyridinesulphenyl-L-cysteine</b>
<b>Lot Number</b>	000424-190918-30510 Boc-L-Cys(Npys)-OH
<b>CAS Number</b>	76880-29-0
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>17</sub> N <sub>3</sub> O <sub>6</sub> S <sub>2</sub>
<b>Molecular Weight</b>	375.43

---

<b>Appearance</b>	Light yellowish powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	149.1 - 150.5 °C
<b>Water Content (Karl Fisher)</b>	0.11%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 88.2 ° (C=1 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.1% (80 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.29%
<b>Storage</b>	Store at 0 - 8 °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