

# **Chem-Impex International, Inc.**

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## **Certificate of Analysis**

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|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Catalog Number</b>                                               | 05916                                                                                   |
| <b>Product Name</b>                                                 | H-Cys(Bzl)- $\beta$ NA<br>S-Benzyl-L-cysteine $\beta$ -naphthylamide                    |
| <b>Lot Number</b>                                                   | 119683                                                                                  |
| <b>CAS Registry Number</b>                                          | 7436-63-7                                                                               |
| <b>Molecular Formula</b>                                            | C <sub>20</sub> H <sub>20</sub> N <sub>2</sub> OS                                       |
| <b>Molecular Weight</b>                                             | 336.45                                                                                  |
| <b>Appearance</b>                                                   | White powder                                                                            |
| <b>Solubility</b>                                                   | Clear, colorless solution (50 mg/ml in Methanol)                                        |
| <b>Melting Point</b>                                                | 95-96 °C                                                                                |
| <b>Specific Optical Rotation</b>                                    | $\alpha_D^{24} = +58.7^\circ$ (1% in Methanol)                                          |
| <b>CHN-Analysis</b>                                                 |                                                                                         |
| <b>Elemental Analysis (Theory)</b>                                  | C 71.40% H 5.99% N 8.33%                                                                |
| <b>Elemental Analysis Found)</b>                                    | C 71.29% H 5.95% N 8.31%                                                                |
| <b>Assay by TLC</b>                                                 |                                                                                         |
| <b>Chloroform/methanol/acetic acid 77.5/15/7.5</b>                  | Detected by: UV, Ninhydrin, Chlorine-Tolidine                                           |
| <b>Chloroform/methanol/acetic acid/H<sub>2</sub>O 85/13/0.5/1.5</b> |                                                                                         |
| <b>Plate: Silicagel 60 F<sub>254</sub></b>                          |                                                                                         |
| <b>Storage</b>                                                      | Store at 0-5°C.                                                                         |
| <b>Remarks</b>                                                      | See material safety data sheets for additional information.<br>For laboratory use only. |

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

Quality Control Manager