

Chem-Impex International, Inc.

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Certificate of Analysis

| | |
|---|---|
| Catalog Number | 04414 |
| Product Name | H-Arg(Pmc)-OH |
| Lot Number | MB0.1 |
| CAS Registry Number | 112160-37-9 |
| Molecular Formula | C ₂₀ H ₃₂ N ₄ O ₅ S |
| Molecular Weight | 440.56 |
| Appearance | White powder |
| Solubility | Clear, colorless solution (50mg/ml in Methanol) |
| Optical Specific Rotation (α_{365}^{24}) | -15.2 ° (1% CH ₃ OH) |
| CHN-Analysis | Calc. as 1 Water |
| Elemental Analysis (Theory) | C 52.38%, H 7.47%, N 12.22% |
| Elemental Analysis (Found) | C 52.68%, H 7.41%, N 12.18% |
| Assay (TLC) | Purity by TLC >99% |
| n-Butanol/Acetic acid/H₂O 4/2/2 (v/v/v) | Detected by UV, Ninhydrin, chlorine-tolidine. |
| Chloroform/Methanol/Acetic acid 32% 5/3/1 (v/v/v) | |
| Ethyl acetate/Pyridine/Acetic acid /H ₂ O 60/30/9/16.5 (v/v/v/v) | |
| Plate Silicagel 60 F₂₅₄ | |
| Water Content | 3.9% |
| Storage | Store at RT. |
| Remarks | See material safety data sheets for additional information. For laboratory use only. |

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

Quality Control Manager

