

Chem-Impex International, Inc.

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Certificate of Analysis

| | |
|-------------------------------------------------|-----------------------------------------------------------------------------------------|
| Catalog Number | 03238 |
| Product Name | Boc-D-Valinol Boc-D-valinol |
| Lot Number | 00-0701-AX |
| CAS Registry Number | 106391-87-1 |
| Molecular Formula | C ₁₀ H ₂₁ NO ₃ |
| Molecular Weight | 203.3 |
| Melting Point | Oil in room temperature |
| Boiling Point | 106 °C / 1mm |
| HPLC | Not detectable due to low absorbance in UV range |
| TLC | |
| Dichloromethane:Acetone 30:1 | R _f = 0.19 (single spot) |
| Chloroform:Methanol:Actetic acid 80:20:3 | R _f = 0.89 (single spot) |
| Specific Rotation [α]_D | 27.8° (c=2.3, MeOH) |
| Storage | Store at 0-5°C. |
| 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