

Chem-Impex International, Inc.

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Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

| | |
|-------------------------|---|
| Catalogue Number | 16202 |
| Lot Number | 05508 |
| Product | <i>N</i>^α-Benzyl-<i>N</i>^α-methyl-D-alanine methyl ester hydrochloride |
| | Bzl-N-Me-D-Ala-OMe•HCl |

| | |
|--------------------------|--|
| Molecular Formula | C ₁₂ H ₁₇ NO ₂ •HCl |
|--------------------------|--|

| | |
|-------------------------|-------|
| Molecular Weight | 243.7 |
|-------------------------|-------|

| | |
|-------------------|--------------------------|
| Appearance | White crystalline powder |
|-------------------|--------------------------|

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|----------------------|------------|
| Melting Point | 141-143 °C |
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|-------------------------|--|
| Optical Rotation | [a] _D ²⁰ = +9.1° (C=1 in MeOH) |
|-------------------------|--|

| | |
|---------------------------|-------|
| Assay by titration | 99.4% |
|---------------------------|-------|

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|-----------------------|-------|
| Purity by HPLC | 99.4% |
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|----------------------|----------------------|
| Purity by TLC | Traces of impurities |
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|----------------|-----------------|
| Storage | Store at 0-8 °C |
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| Remarks | See material safety data sheet for additional information |
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|--|-------------------------|
| | For laboratory use only |
|--|-------------------------|

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



Bala Kumar
Quality Control Manager