

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	12800
<b>Lot Number</b>	000424-141113-22440
<b>Product</b>	<b>Z-N-methyl-<math>\alpha</math>-aminoisobutyric acid</b>
	Z-N-Me-Aib-OH
	Z-N-methyl- $\alpha$ -methylalanine
<b>CAS Number</b>	144332-60-5
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>17</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	251.28

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.1 g in 2 mL DMF)
<b>Melting Point</b>	136.5-136.8 °C
<b>Water Content (Karl Fisher)</b>	0.083%
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.72%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.06%
<b>Storage</b>	Store at 0-8 °C

# *Certificate of Analysis*

**Catalog Number: 12800**

**Lot Number: 000424-141113-22440**

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**Remarks**

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**