

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	04405
<b>Product Name</b>	N-Me-D-Ala-OH N-Methyl-D-alanine
<b>Lot Number</b>	4405-061303-V
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>9</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	103.1
<b>Melting Point</b>	250-252°C (crystals from water:acetone)
<b>Optical Rotation (α)<sub>D</sub></b>	-3.45° (c=1, H <sub>2</sub> O)
<b>Chromatography TLC</b>	Butanol:acetic acid:water 4:1:1 R <sub>f</sub> = 0.23(single spot)
<b><sup>1</sup>H NMR</b>	NMR spectrum consent with predicted structure, Bruker 250 MHZ
<b>Storage</b>	Store in cooler.
<b>Remarks</b>	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



**Sashi Kumar**  
Quality Control Manager