

# *Chem-Impex International, Inc.*

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Manufacturing site:

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## Certificate of Analysis

<b>Catalog Number</b>	04933
<b>Product Name</b>	Boc-Ala(2'-quinoyl)-OH Boc-3-(2'-quinoyl)-L-alanine
<b>Lot Number</b>	0553822
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	318.3
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50mg/ml in Methanol)
<b>CHN-Analysis</b>	calc. as 0.2 H <sub>2</sub> O x 0.2 acetonitrile
<b>Elemental Analysis (Found)</b>	C 64.25%, H 6.19%, N 8.86%
<b>Elemental Analysis (theory)</b>	C 64.54%, H 6.37%, N 8.85%
<b>Assay (TLC)</b>	Purity by TLC.....>99%
<b>Chloroform/Methanol/benzene acid/H<sub>2</sub>O 8/8/8/1 (v/v/v/v)</b>	detected by: UV, Ninhydrin, Chlorine-tolidine
<b>Chloroform/Methanol/Acetic acid 85/10/5 (v/v/v)</b>	
<b>Chloroform/methanol/Acetic acid/H<sub>2</sub>O 85/13/0.5/1.5 (v/v/v/v)</b>	
<b>Plate Silicagel 60 F<sub>254</sub></b>	
<b>Assay ( Titration)</b>	101.0%
<b>D-Enantiomer</b>	0.1%
<b>Storage</b>	Store at 0-5°C.
<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**

A handwritten signature in black ink, appearing to read 'Sashi Kumar', written in a cursive style with a long horizontal stroke extending to the left.

**Sashi Kumar**  
**Quality Control Manager**