

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	07084
<b>Lot Number</b>	000127-1054860
<b>Product</b>	<b>3-(2'-Quinoly)-D-alanine</b>  D-Ala(2'-quinolyl)-OH  (R)-2-Amino-3-quinolin-2-yl-propionic acid
<b>CAS Number</b>	170421-67-7
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight</b>	216.23

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<b>Appearance</b>	Grayish powder
<b>Solubility</b>	Clear pale yellow solution (50mg/mL in 80% Acetic acid)
<b>Elemental Analysis (Theory)</b>	C = 66.65%; H = 5.59%; N = 12.95%
<b>Elemental Analysis (Found)</b>	C = 66.73%; H = 5.68%; N = 12.92%
<b>Water Content (Karl Fisher)</b>	0.6%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid 32% (5:3:1) Acetonitrile/Water (7:3) Chloroform/MeOH/Acetic Acid/H <sub>2</sub> O (70:42:0.5:10) Ethyl acetate/Pyridine/Acetic acid/Water (60:20:6:11) Plate: Silica gel 60 F <sub>254</sub> Detected by UV, ninhydrin, chlorine-tolidine.
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -28.7° (C=1 in 80% AcOH)
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C.

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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**