## Chem-Impex International, Inc.

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## Certificate of Analysis

Catalogue Number	16081
Lot Number	000705-352475
Product	2-(4-Boc-piperazinyl)-2-(3-cyanophenyl)acetic acid
	$\alpha$ -(4-Boc-piperazinyl)- $\alpha$ -(3-cyanophenyl)acetic acid
CAS Number	885274-33-9
Molecular Formula	$C_{18}H_{23}N_3O_4$
Molecular Weight	345.4
Appearance	White powder
TLC System	CHCl3/CH3OH/CH3COOH : 90/8/2 : Single spot CHCl3/CH3OH/C6H6/H2O : 8/8/8/1 : Single spot Visulized with : UV/Iodine
<sup>I</sup> H NMR	Conforms to structure
LCMS	Conforms to structure
Purity by HPLC	98.8%
Storage	Store at 0 - 8 °C
Remarks	See material safety data sheet for additional information
	For laboratory use only

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

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Bala Kumar Quality Control Manager