

## Analytical Data Sheet

Lot number **1064586**  
not for drug use

Catalog number **A-3860.0005**  
Product number **4026395.0005**  
Product **Boc-  $\beta$ - chloro- Ala- OH**  
Molecular formula **C<sub>8</sub>H<sub>14</sub>ClNO<sub>4</sub>**  
Relative molecular mass **223.66**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 223.7u (average mass)
Identification (TLC)	complies with authentic material
Purity (TLC)	> 97%
Related impurities (TLC)	< 0.1% H- $\beta$ -chloro-Ala-OH < 0.5% Boc-dehydro-Ala-OH
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Assay (titration)	98.6%
Water content (KF volumetric)	0.2%

Latest update: March 02, 2016

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