

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 02699  
**Lot Number** 001529-504293  
**Product** **Boc-L-citrulline**

Boc-L-Cit-OH

**CAS Number** 45234-13-7  
**Molecular Formula** C<sub>11</sub>H<sub>21</sub>N<sub>3</sub>O<sub>5</sub>

**Molecular Weight** 275.3

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**Appearance** White powder  
**Solubility** Clear colorless solution (5% in MeOH)  
**Water Content (Karl Fisher)** < 0.1%  
**Optical Rotation** [α]<sub>D</sub><sup>25</sup> = - 9.0 ° (C=1%, in H<sub>2</sub>O)  
**Assay by titration** 89.8%  
**Purity by TLC** > 98.0%  
**Storage** Store at ≤ -15 °C  
**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