

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	03993
<b>Product Name</b>	Boc-Leu-ONp
<b>Lot Number</b>	3993-042904-1
<b>CAS Registry Number</b>	3350-19-4
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	352.39
<b>Appearance</b>	Yellow powder
<b>Specific Rotation</b> [ $\alpha$ ] <sub>D</sub> <sup>20</sup>	-41.1 ° (c=1.028% DMF)
<b>Melting Point</b>	73 – 75 °C
<b>Purity (HPLC)</b>	97 %
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.



Sashi Kumar  
Quality Control Manager

## HPLC Conditions

<b>Column</b>	Beckman Ultrasphere 5 $\mu$ m, 250x4.6 mm, 150 Å
<b>Guard Column</b>	Supel Guard LC-18-DB, 2 cm
<b>Retention Time, min</b>	18.133
<b>Sample preparation</b>	2 mg/1 mL 100% Acetonitrile/Water
<b>Injection volume, <math>\mu</math>l</b>	5

**Method /Detection at, nm**

**Gradient**

**Boc40 / 210**  
40-90% B  
A = 99.9% Water, 0.1% TFA  
B = 95% Acetonitrile, 4.9% Water, 0.1% TFA  
30 min, flow rate = 1.0 ml / min