

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	15580
<b>Lot Number</b>	003259-2022-08-23
<b>Product</b>	<b>Boc-(S)-3-amino-3-(3-trifluoromethylphenyl)</b> Boc-L- $\beta$ -Phe(3-CF <sub>3</sub> )-OH
<b>CAS Number</b>	500770-78-5
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>18</sub> F <sub>3</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	333.31

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<b>Appearance</b>	White solid
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -14.2 $\pm$ 2 ° (C=1 in CHCl <sub>3</sub> )
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.76%
<b>Storage</b>	Store at 0 - 8 °C
<b>Remarks</b>	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