

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	31944
<b>Lot Number</b>	001367-79908
<b>Product</b>	<b>(R)-1-Boc-2-benzyl-piperazine</b>  (R)-2-Benzylpiperazine-1-carboxylic acid <i>tert</i> -butyl ester
<b>CAS Number</b>	947684-78-8
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight</b>	276.38

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<b>Appearance</b>	Light brown gel
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +28.2° (C=1 in CHCl <sub>3</sub> )
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay</b>	97% (NMR)
<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