

# Chem-Impex International, Inc.

---

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

<b>Catalogue Number</b>	17442
<b>Lot Number</b>	20081008
<b>Product</b>	<b>2-Benzyl-piperazine-1-carboxylic acid <i>tert</i>-butyl ester</b> <i>N</i> -1-Boc-2-benzyl piperazine  <i>tert</i> -Butyl 2-benzylpiperazine-1-carboxylate
<b>CAS Number</b>	481038-63-5
<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

---

<b>Appearance</b>	Off yellow oil
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	99.05%
<b>Storage</b>	Store at 2-8 °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