

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	17187
Lot Number	001539-20120611
Product	(S)-1-Boc-2-benzyl-piperazine (S)-2-Benzylpiperazine-1-carboxylic acid <i>tert</i> -butyl ester
CAS Number	169447-86-3
Molecular Formula	C ₁₆ H ₂₄ N ₂ O ₂
Molecular Weight	276.38

Appearance	Pale yellow paste
Water Content (Karl Fisher)	0.01%
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.05%
¹H NMR	Conforms to structure
Purity	98.53%
Chiral Purity	97.5% (ee)
Storage	Store at 2-8 °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