

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	31870
Product	(S)-1-Boc-3-methylpiperazine
Lot Number	001702-20170308 <i>tert</i> -Butyl (S)-3-methyl-1-piperazinecarboxylate
CAS Number	147081-29-6
Molecular Formula	C ₁₀ H ₂₀ N ₂ O ₂
Molecular Weight	200.28

Appearance	White powder or oily solid
Water Content (Karl Fisher)	0.21%
Optical Rotation	[α] _D ²⁰ = -15.71° (C=1 in 1, 4-Dioxane)
Purity by GC	99.15%
Chiral Purity	100% (ee, HPLC)
Application	Laboratory chemicals, Manufacture of substances.
Storage	Store at 0-8 °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