

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	24311
Product	4-(4-Aminophenyl)piperazine-1-carboxylic acid tert-butyl ester
Lot Number	001554-0027742-15071 1-Boc-4-(4'-aminophenyl)piperazine tert-Butyl 4-(4-aminophenyl)piperazine-1-carboxylate
CAS Number	170911-92-9
Molecular Formula	C ₁₅ H ₂₃ N ₃ O ₂
Molecular Weight	277.37

Appearance	Brownish red powder
Melting Point	86.3-88.1 °C
Water Content (Karl Fisher)	0.41%
Residue On Ignition	0.21%
¹H NMR	Conforms to structure
Purity by HPLC	98.34%
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