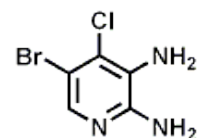


Certificate of Analysis

Date of Manufacture: 2011-06-08 Date of Analysis: 2012-09-05
Batch No: A20120905

Catalog No.: HP13645
Product Name: 5-Bromo-4-chloropyridine-2,3-diamine
Formula: C₅H₅BrClN₃
Molecular Weight: 222.47
CAS Number: 1131604-99-3



Items	Specifications	Results of Analysis
Appearance:	Pale brown solid	Pale brown solid
¹ H-NMR:	Consistent with structure	Consistent with structure
Assay (HPLC):	95.0%min	95.2%
Loss on drying:	≤0.5%	0.22%

Storage: Room Temperature, Dry
Origin of Country: P. R. China