

# Certificate of Analysis

Product Name	tert-Butyl (S)-2-(4-bromo-1H-imidazol-2-yl)pyrrolidine-1-carboxylate		
Batch No.	N122-004	CAS No.	1007882-59-8
Quantity	30G	Reference	In house
Manufacture Date	Sep. 26,2017	Retest Date	Sep.25, 2019
Packaging Format	Internal PE bag/External Aluminum foil bag		

Items	Specifications	Test Results
<b>Description</b>	White to Light brown color powder	White powder
<b>Identification</b>	IR spectrum of sample corresponds to that of standard preparation	IR
	The retention time of the major peak in the chromatogram of sample corresponds to that in the chromatogram of standard preparation	HPLC
<b>Solubility</b>	Soluble in methanol	Conforms
<b>Loss on drying (At 105°C for 3 hrs)</b>	NMT 0.5%	0.17%
<b>D-Isomer content</b>	NMT 0.15%	0.02%
<b>Related Substance</b>	ELA-Impurity-A NMT 0.5%	Conforms
	ELA-Impurity-B NMT 0.3%	Conforms
	Impurity at RRT about 0.96 NMT0.5%	Conforms
	Unknown impurity NMT 0.2%	0.064%
	Total Impurities: NMT 2.0%	0.14%
<b>Purity</b>	NLT 98.0%	99.86%
<b>Assay</b>	98.0%-102.0%	99.7%