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Certificate of Analysis

Product Name:	L-2-Aminobutanamide hydrochloride		
Formula:	C4H11ClN2O	Molecular Weight:	117.15
CAS Number:	7682-20-4		
Batch Number:	W-0141212	Quantity:	500kg
Manufacture Date:	2014/06/16	Analysis Date:	2014/06/17
Packing:	25kg Drum	Expiration date:	2016/12/15

Items	Specifications	Results
Appearance	White powder	Complies
Identification(NMR)	IR	Complies
Assay (Chiral HPLC)	98.0% ~102.0% On dried basis	99.8%
Specific rotation	+23~+27°	+25.5°
Solubility	Soluble in water, methanol	Complies
Loss on drying	≤0.5%	0.09%
Residue on ignition	≤0.3%	0.13%
Related substances	Individual impurity ≤0.5% Total Impurity ≤1.0%	0.15% 0.38

Conclusion: Comply with the required standards.

We state this product is for scientific use only.

Packaging and storage: Preserve in a well-closed container, protected from light.

Checked by: Xiaojuan Yu

Approved by: Jurong Liu

