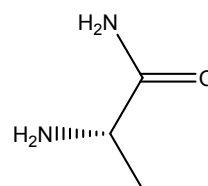


Certificate Of Analysis

Name: (S)-2-AMinobutyaMide Hydrochloride
CAS NO.: 7682-20-4
Cat NO.: A838847
Batch No.: S28052014
Mfg.Date: 2014-05-28
Exp.Date: 2016-05-27



| Items | Specifications | Results |
|-----------------------|---|---------------------------|
| Appearance | Off-white powder | White to off-white powder |
| Purity | 98.5%(Min) | 99.70% |
| Identification | Identical to the IR spectrum of standard | Pass |
| Solubility | Soluble in Methanol | Pass |
| Specific Rotation | +23.0° ~+27.0° | +25.7° |
| Loss on drying | ≤1.0% | 0.06% |
| Residue on ignition | ≤0.5% | 0.06% |
| Max.single impurity | ≤0.5% | 0.07% |
| Purity(HPLC) | ≥99.0% | 99.9% |
| Isomer | R-isomer≤0.5% | 0.14% |
| Assay(on dried basis) | 98.0-102.0% | 99.6% |
| Conclusion | The product tested complies with the specifications | |

Storage condition: Store in a tightly closed container in a cool and dry place.

Checker:

**if you have any comments and suggestions, please contact us by sales@amadischem.com*