



Certificate of analysis

Product name: Minodronic acid

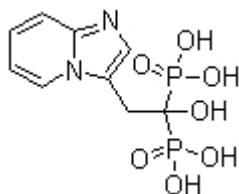
Cas number: 180064-38-4 (127657-42-5)

Molecular Formula: C₉H₁₂N₂O₇P₂

Molecular Weight: 322.15

Date of production: Apr. 01, 2014

Chemical structure:



Items	Specifications	Test results
Appearance	off-white to yellow powder	off-white powder
Identification	IR, HPLC	Conform
Loss on drying	≤1.0%	Conform
Residual on Ignition	≤0.5%	Conform
Total Impurities	≤2.0%	1.2%
Assay (on dry basis)	≥95%	98.8%

Conclusion: Complies with in house standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F