



CERTIFICATE OF ANALYSIS

Product: Ibandronate Intermediate

Chemical name: 3-(N-methylpentylamino) Propionic Acid HCl[CAS:625120-81-2]

Batch No: 20171020

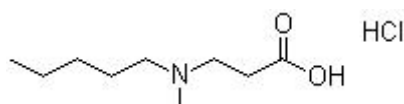
Manufacturing Date: Oct., 2017

Expiry Date: Oct., 2019

Analysis Date: 2017-10-21

Quantity: 100 Grams

Structure:



Items	Specifications	Results
Appearance:	white crystal or crystalline powder	Complies
Assay:	99.0%min.	99.7%
Loss on drying:	≤0.2%	0.1%
Residue on ignition:	≤0.2%	0.1%
Melting point:	99~102℃	100.2~101.0℃
Total impurities:	≤0.5%	Complies
Single impurity:	≤0.2%	Complies

Conclusion:It Complies with the Enterprise's Standard .

QC manager: 02

Checked by: 05

Analyst: 04

杭州思诺科生物医药有限公司
HANGZHOU THINK CHEMICAL CO., LTD.
夏沛国



CERTIFICATE OF ANALYSIS

Product: Ibandronate Intermediate

Chemical name: 3-(N-methylpentylamino) Propionic Acid HCl[CAS:625120-81-2]

Batch No: 20171022

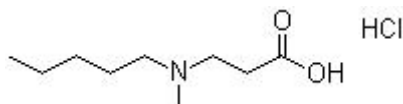
Manufacturing Date: Oct., 2017

Expiry Date: Oct., 2019

Analysis Date: 2017-10-23

Quantity: 100 Grams

Structure:



Items	Specifications	Results
Appearance:	white crystal or crystalline powder	Complies
Assay:	99.0%min.	99.7%
Loss on drying:	≤0.2%	0.1%
Residue on ignition:	≤0.2%	0.1%
Melting point:	99~102℃	100.1~101.2℃
Total impurities:	≤0.5%	Complies
Single impurity:	≤0.2%	Complies

Conclusion:It Complies with the Enterprise's Standard .

QC manager: 02

Checked by: 05

Analyst: 04

杭州思诺科生物医药有限公司
HANGZHOU THINK CHEMICAL CO., LTD.
夏沛国



CERTIFICATE OF ANALYSIS

Product: Ibandronate Intermediate

Chemical name: 3-(N-methylpentylamino) Propionic Acid HCl[CAS:625120-81-2]

Batch No: 20171025

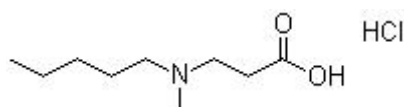
Manufacturing Date: Oct., 2017

Expiry Date: Oct., 2019

Analysis Date: 2017-10-26

Quantity: 100 Grams

Structure:



Items	Specifications	Results
Appearance:	white crystal or crystalline powder	Complies
Assay:	99.0%min.	99.7%
Loss on drying:	≤0.2%	0.1%
Residue on ignition:	≤0.2%	0.1%
Melting point:	99~102℃	100.1~101.3℃
Total impurities:	≤0.5%	Complies
Single impurity:	≤0.2%	Complies

Conclusion:It Complies with the Enterprise's Standard .

QC manager: 02

Checked by: 05

Analyst: 04

杭州思诺科生物医药有限公司
HANGZHOU THINK CHEMICAL CO., LTD.
夏沛国