

# CERTIFICATE OF ANALYSIS

Coding: QC-002 Rev. 01

Single test: 2016189

Name	Gelatin Empty Capsules	Packaging specification	140,000pcs/box
Product specifications	I#	Color	green-white
Raw material	ox bone gelatin	Weight	80mg
Product lot number	A201601009	Manufacture date	2016-05-25
The number of shipments	200,000pcs	Expiry date	2018-05-20
Based on test	People's Republic of China pharmacopoeia 2010 Version 2		

Test item	Standards	Test results
-----------	-----------	--------------

Characters	Should show cylinder-shaped, by the cap-and necked Hard quality and flexibility of the space capsule, the capsule-smooth, uniform color, smooth incision, no deformation and	In line with the provisions
------------	--	-----------------------------

Identification	(1)、(2)、(3)Should be a positive reaction	There was a positive reaction
----------------	--	-------------------------------

Tightness	Should be consistent with the provisions	In line with the provisions
-----------	--	-----------------------------

Brittle broken degree	Should be consistent with the provisions	In line with the provisions
-----------------------	--	-----------------------------

Disintegration	Should be within 10 minutes collapse	9minutes
----------------	--------------------------------------	----------

Sulfite	Should be consistent with the provisions	In line with the provisions
---------	--	-----------------------------

Dry weight loss	Should be 12.5%-17.5 %	16.0%
-----------------	------------------------	-------

Chi-burning residue	No more than 5.0%	2.8%
---------------------	-------------------	------

Heavy metal	No more than 40 millionths	In line with the provisions
-------------	----------------------------	-----------------------------

Viscosity	Not be less than 60mm <sup>2</sup> /s	62mm <sup>2</sup> /s
-----------	---------------------------------------	----------------------

Chromium	No more than 2 millionths	0.2ppm
----------	---------------------------	--------

Ethylene Oxide	The test peak proportion should be less than the reference peak proportion	In line with the provisions
----------------	--	-----------------------------

Chloroethanol	The test peak proportion should be less than the reference peak proportion	In line with the provisions
---------------	--	-----------------------------

Microbial limit	Bacteria ≤ 1000 piece/g	< 10 piece/g
	Mildew ≤ 100 piece/g	< 10 piece/g
	Colon bacillus should be not detected	Not detected
	Salmonella should be not detected	Not detected

Conclusion: This product according to Chinese Pharmacopoeia 2010 version 2 test, the results are in order.

Minister for quality control:

*[Signature]*

Checker:

*[Signature]*

Examiner:

*[Signature]*

# CERTIFICATE OF ANALYSIS

Coding: QC-002 Rev. 01

Single test: B2016046

Name	Gelatin Empty Capsules	Packaging specification	140,000pcs/box
Product specifications	#	Color	Dark green-light green
Raw material	ox bone gelatin	Weight	80mg
Product lot number	B201601009	Manufacture date	2016-05-25
The number of shipments	200,000pcs	Expiry date	2018-05-20

Test item	Standards	Test results
Characters	Should show cylinder-shaped, by the cap-and nected Hard quality and flexibility of the space capsule, the capsule-smooth, uniform color, smooth incision, no deformation and strange smell.	In line with the provisions
Identification	(1)、(2)、(3)Should be a positive reaction	There was a positive reaction
Tightness	Should be consistent with the provisions	In line with the provisions
Brittle broken degree	Should be consistent with the provisions	In line with the provisions
Disintegration	Should be within 10 minutes collapse	9minutes
Sulfite	Should be consistent with the provisions	In line with the provisions
Dry weight loss	Should be 12.5 %-17.5 %	15.5%
Chi-burning residue	No more than 5.0%	1.8%
Heavy metal	No more than 40 millionths	In line with the provisions
Viscosity	Not be less than 60mm <sup>2</sup> /s	75mm <sup>2</sup> /s
Chromium	No more than 2 millionths	0.4ppm
Ethylene Oxide	The test peak proportion should be less than the reference peak proportion	In line with the provisions
Chloroethanol	The test peak proportion should be less than the reference peak proportion	In line with the provisions
Microbial Limit	Bacteria ≤ 1000 piece/g	< 10 piece/g
	Mildew ≤ 100 piece/g	< 10 piece/g
	Colon bacillus should be not detected	Not detected
	Salmonella should be not detected	Not detected

Conclusion: This product according to Chinese Pharmacopoeia 2010 version 2 test, the results are in order.

Minister for quality control:

*[Signature]*

Checker:

*[Signature]*

Examiner:

*[Signature]*

# CERTIFICATE OF ANALYSIS

Coding: QC-002 Rev. 01

Single test: A2016147

Name	Gelatin Empty Capsules	Packaging specification	140,000pcs/box
Product specifications	#	Color	white-white
Raw material	ox bone gelatin	Weight	80mg
Product lot number	C201601009	Manufacture date	2016-05-25
The number of shipments	200,000pcs	Expiry date	2018-05-20

Test item	Standards	Test results
-----------	-----------	--------------

Characters	Should show cylinder-shaped, by the cap-and necked Hard quality and flexibility of the space capsule, the capsule-smooth, uniform color, smooth incision, no deformation and strange smell.	In line with the provisions
------------	---	-----------------------------

Identification	(1)、(2)、(3)Should be a positive reaction	There was a positive reaction
----------------	--	-------------------------------

Tightness	Should be consistent with the provisions	In line with the provisions
-----------	--	-----------------------------

Brittle broken degree	Should be consistent with the provisions	In line with the provisions
-----------------------	--	-----------------------------

Disintegration	Should be within 10 minutes collapse	6minutes
----------------	--------------------------------------	----------

Sulfite	Should be consistent with the provisions	In line with the provisions
---------	--	-----------------------------

Dry weight loss	Should be 12.5%-17.5%	14.9%
-----------------	-----------------------	-------

Chi-burning residue	No more than 5.0%	3.0%
---------------------	-------------------	------

Heavy metal	No more than 40 millionths	In line with the provisions
-------------	----------------------------	-----------------------------

Viscosity	Not be less than 60mm <sup>2</sup> /s	72mm <sup>2</sup> /s
-----------	---------------------------------------	----------------------

Chromium	No more than 2 millionths	0.3ppm
----------	---------------------------	--------

Ethylene Oxide	The test peak proportion should be less than the reference peak proportion	In line with the provisions
----------------	--	-----------------------------

Chloroethanol	The test peak proportion should be less than the reference peak proportion	In line with the provisions
---------------	--	-----------------------------

Microbial Limit	Bacteria ≤ 1000 piece/g	< 10 piece/g
	Mildew ≤ 100 piece/g	< 10 piece/g
	Colon bacillus should be not detected	Not detected
	Salmonella should be not detected	Not detected

Conclusion: This product according to Chinese Pharmacopoeia 2010 version 2 test, the results are in order.

Minister for quality control:

王琦

Checker:

李义

Examiner:

李义