



四川青益纯医药科技有限公司  
SICHUAN BENEPURE PHARMACEUTICAL CO.,LTD.

Tel: +86 28 8679 9990  
Email: [info@benepure.com](mailto:info@benepure.com)

Fax: +86 28 8679 9924  
Website: [www.benepure.com](http://www.benepure.com)

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Vitamin D3(Cholecalciferol)	<b>CAS No.</b>	67-97-0
<b>Batch No.</b>	N010763217A	<b>Mfg. Date</b>	Jul. 23, 2017
<b>Packing</b>	1kg/Bag	<b>Retest Date</b>	Jul. 22, 2019
<b>Quantity</b>	20kg	<b>Report Date</b>	Jul. 28, 2017
<b>Specification</b>	40,000,000IU/g, USP40		

ITEM	SPECIFICATION	RESULT
<b>Appearance</b>	White crystalline powder	Complies
<b>Identification</b>	IR	Complies
	Color test: A bright red color is produced, and it rapidly changes through violet and blue to green	Complies
<b>Specific Rotation<math>[\alpha]_D^{25}</math></b>	+105.0° ~ +112.0°	+108.82°
<b>Related Substances</b>		
7-Dehydrocholesterol	≤0.5%	Complies
Other Individual impurities	≤0.1%	Complies
Total Impurities	≤1ppm	Complies
<b>Assay(HPLC)</b>	97.0%~103.0%	98.56%
<b>Conclusion</b>	Comply with the specification.	
<b>Storage</b>	Preserve in tight containers, protected from strong light and high heat. Store in dry cool place.	

Analyst:

QC Manager:

QA:

*Benepure—Natural Ingredients Specialist.*

Add.: 99# Jirui 3<sup>rd</sup> Road, High Tech District, Chengdu, Sichuan Prov., China 610095  
地址: 四川省成都市高新区吉瑞三路 99 号, 邮编 610095