

HANGZHOU THINK CHEMICAL CO., LTD.

ADD: Chengnan Industrial zone, Meicheng, Jiande, Hangzhou, China

CERTIFICATE OF ANALYSIS

Product Name	Cholecalciferol		
Batch no.	20160305	Batch Size	25kg
Manufacture Date	Mar.05,2016	Report Date	Mar.06,2016
Retest Date	Mar.04,2019	Specification	USP37
Test Items			
Test Items	Specifications		Results
Appearance	White crystalline powder		Conform
Identification			
IR	The IR spectrum of sample corresponds to that spectrum of Cholecalciferol Crystalline Reference Standard		Conform
Color Test	A bright red color is produced, and it rapidly changes through violet and blue to green.		Conform
Specific Rotation	+105.0° ~ +112.0°		+109.50°
Melt Point	82.0°C ~ 87.0°C		82.5°C ~ 84.0°C
Impurity			
7-Dehydrocholesterol	Not more than 0.5%		Conform
Other individual related compound	Not more than 0.1%		Conform
Total impurities	Not more than 1.0%		Conform
Assay	97.0~103.0%		98.84%
Conclusion	Conforms to USP37		

杭州思诺科化工贸易有限公司
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