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## CERTIFICATE OF ANALYSIS

Product	Vitamin D3 crystal				
Batch No.	210615	Packing	25kg/Drum		
Quantity	20kg	Manufacture Date	2021/06/15		
Testing Date	2021/06/15	Expiry Date	2023/06/14		
Inspection standard	USP43				
Items & Results					
Item	Spec.		Result		
Appearance	White, odorless crystals		Conforms		
Assay	98% ~ 103% 39,200,000 ~ 41,200,000 IU/g		100% 40,000,000IU/g		
Identification	A: IR absorption B: UV absorption C: HPLC retention time		Conforms		
Specific Optical Rotation	+105° ~ +112°		+108.0°		
Residual solvents					
- Methanol	≤3000ppm		Not detected		
- n-Hexane	≤290ppm		40ppm		
-Triethylamine	≤5000ppm		Not detected		
-Acetone	≤5000ppm		Not detected		
- Methyl formate	≤100ppm		Not detected		
Heavy metals(as Pb)	≤10ppm		10ppm		
Arsenic	≤1ppm		<1ppm		
Conclusion	Conforms with the specification of USP43.				
Storage	Store in cool&dry place not freeze,keep away from strong light and heat				
Analyst	马亮	Review	刘爱琴	Supervisor of QC	李敏