



江西盛伟科技股份有限公司
JIANGXI SUNWAY CHEMICAL CO., LTD.

Certificate of Analysis

Product Name	Vitamin D3		
Batch No.	20170305	Quantity	20kg
MFG. Date	Mar.05.2017	EXP .Date	Mar.04.2019
CAS No.	67-97-0	Specs	USP39/EP9.0

ITEMS	SPECIFICATION	RESULTS
Appearance	White crystals	Conforms
Solubility	Practically insoluble in water, freely soluble in ethanol(96 percent),solule in trimethylpentane and in fatty oils	Conforms
Specific rotation	+105.0°~+112.0°	+107.7°
As	≤1ppm	Conforms
Heavy metals	≤20ppm	Conforms
Residual solvents	Methanol:≤3000ppm Hexane:≤290ppm Methyl formate:≤100ppm Acetone:≤500ppm Benzene:≤2ppm	Conforms Conforms Conforms Conforms Conforms
Related substances	Trans-vitamin D3:≤0.10% Pro-vitamin D3:≤0.10% Lumisterol3:≤0.10% Iso-tachysterol3:≤0.10% Tachysterol3:≤0.10% Unspecified impurities:≤0.10% Total:≤1.0%	Conforms Conforms Conforms Conforms Conforms Conforms Conforms
Content	98%~102%(39,200,000~40,800,000IU/g)	98.4% 39,360,000IU/g
Conclusion	Up to the USP39/EP9.0	
Remarks		

Quality Control Dept: Analyst:

Inspector: