

CERTIFICATE OF ANALYSIS

Product Name/产品名称	COENZYME Q10	Quantity/数量	1000Kg
Batch No./产品批号	202103192	Shelf Life/保质期	2 Years
M.F Date/生产日期	Mar.19th, 2021	Expiry Date/有效期	Mar.18th,2023
Analysis Basis/检测依据	USP42	Country of Origin/原产地	China

Characters/性状	Reference/检测方法	Standard/标准	Result/结果
Appearance/外观	Visual	Yellow to orange yellow crystal powder	Conforms
Odour&Taste/气味	Organoleptic	Odorless and tasteless	Conforms

Assay/含量	Reference/检测方法	Standard/标准	Result/结果
Assay/含量	USP<621>	98.0-101.0% (calculated with anhydrous substance)	99.50%

Tests/检测项目	Reference/检测方法	Standard/标准	Result/结果
Particle Size/细度	USP<786>	90% pass through 8# sieve	Conforms
Loss of Drying/干燥失重	USP<921>IC	Max. 0.2%	0.10%
Residue on ignition/灼烧残渣	USP<921>IC	Max. 0.1%	0.03%
Melting point/熔点	USP<741>	48°C to 52°C	48.9 to 51.5°C
Lead/铅	USP<2232>	Max. 1 ppm	<0.5 ppm
Arsenic/砷	USP<2232>	Max. 2 ppm	<1.5 ppm
Cadmium/镉	USP<2232>	Max. 1 ppm	<0.5 ppm
Mercury/汞	USP<2232>	Max. 1.5 ppm	<1.5 ppm
Total Aerobic/总菌落	USP<2021>	Max. 1000 cfu/g	<1000 cfu/g
Mold and Yeast/霉菌酵母菌	USP<2021>	Max. 100 cfu/g	<100 cfu/g
E. Coli/大肠杆菌	USP<2022>	Negative/1g	Conforms
*Salmonella/25g/沙门氏菌	USP<2022>	Negative/25g	Conforms

Tests/检测项目	Reference/检测方法	Standard/标准	Result/结果
Limit of residual solvents/残留溶剂的限量	USP<467>	n-Hexane ≤290 ppm	Conforms
	USP<467>	ethanol ≤5000 ppm	Conforms
	USP<467>	methanol ≤3000 ppm	Conforms
	USP<467>	Isopropyl ether ≤ 800 ppm	Conforms

Tests/检测项目	Reference/检测方法	Standard/标准	Result/结果
Impurities/杂质	USP<621>	Impurity 1: Q7.8.9.11≤1.0%	0.15%
	USP<621>	Impurity 2: Isomers and related	0.35%
	USP<621>	Impurities in total 1+2: ≤1.5%	0.50%

Conclusion/结论	Conform with specification.
Storage/存储	Store in cool, dry, enclosed, clean storage areas. Away from strong direct light.
Packing/包装	Packed in paper-drums with two food grade plastic-bags inside, N.W.25Kg/Drum.

Statements/声明	
Non-Irradiated, Non-ETO, Non-GMO, Non-Allergen	
The item marked with * is tested at a set frequency based on risk assessment.	

Analyzed by: Yu Shumin

Approved by: Wang Xiaoxiao

