



检测报告 CERTIFICATE OF ANALYSIS

产品名称 Product name:	辅酶 Q10 Coenzyme Q10		
CAS No.:	303-98-0	参考标准 Ref.Standard:	USP42
批号 Batch No.:	20250411	生产日期 Manuf. Date:	Apr. 11, 2025
数量 Quantity:	300kg	有效期至 Expiration Date:	Apr. 10, 2028
储存条件 Storage Condition:	保存于密封、避光容器中，室温(≤25℃)、干燥处，避免阳光直射。 Preserve in tight, light-resistant containers, and store at room temperature (≤ 25℃), dry place with Non-direct sunlight.		

项目 ITEM	标准 SPECIFICATION	结果 RESULTS
含量 Assay	98.0%-101.0%	99.1%
外观 Appearance	黄色至橙色结晶粉末 Yellow to orange crystalline powder.	黄色结晶性粉末 Yellow crystalline power
鉴别 Identification		
A:IR	样品的红外光谱必须符合参考标准 IR spectrum of sample must be complies with that of reference standard	符合 Conforms
B:HPLC	样品溶液主峰的保留时间与标准溶液的保留时间相对应，如在测定中得到的 The retention time of the major peak of the sample solution corresponds to that of the Standard solution, as obtained in the Assay	符合 Conforms
C:显色反应 Color Reaction	呈现蓝色 A blue color appears	符合 Conforms
熔点 Melting Point	48.0℃-52.0℃	符合 Conforms
水分 Water Determination	≤0.2%	0.02%
粒度 Particle Size	≥90%Through 80 mesh	符合 Conforms
炽灼残渣 Residue on ignition	≤0.1%	0.02%
重金属 Heavy metals	≤20ppm	符合 Conforms
铅 Lead(Pb)	≤0.5ppm	符合 Conforms
砷 Arsenic(As)	≤1.0ppm	符合 Conforms
镉 Cadmium(Cd)	≤0.5ppm	符合 Conforms
汞 Mercury(Hg)	≤0.1ppm	符合 Conforms
色谱纯度 Chromatographic purity		
Test1:辅酶 Q7,Q8,Q9,Q11 和相关杂质:CoenzymesQ7,Q8,Q9,Q11,and related impurities	≤1.0%	0.75%

Test2:顺式异构体及有关物质 Ubidecarenone(2Z)-isomer and related impurities:	≤1.0%	0.29%
总杂 Total impurities:	≤1.5%	1.04%
微生物指标 Microbiological Tests		
菌落总数 Standard Plate Count	≤1000cfu/g	符合 Conforms
酵母&霉菌 Yeast & Mold	≤100cfu/g	符合 Conforms
沙门氏菌 Salmonella	阴性 Negative	阴性 Negative
大肠杆菌 E.Coli	阴性 Negative	阴性 Negative
金黄色葡萄球菌 Staphylococcus aureus	阴性 Negative	阴性 Negative
结论 Conclusion:	符合 USP42 标准 Conform with USP42 standard	

Tested by: Tiantian Wang

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