

CERTIFICATE OF ANALYSIS

Product name:	Coenzyme Q10		
CAS No.:	303-98-0	Ref.Standard:	USP46
Batch No.:	20241219	Manuf. Date:	Dec. 19, 2024
Quantity:	270kg	Re-test Date:	Dec. 18, 2027
Storage Condition:	Preserve in well-closed,light-resistant cintainers.		

ITEM	SPECIFICATION	RESULTS
Assay	98.0%-101.0%	99.2%
Appearance	Yellow to orange crystalline powder.	Yellow crystalline power
Identification		
A:IR	IR spectrum of sample must be complies with that of reference standard	Conforms
B:HPLC	The retention time of the major peak of the sample solution corresponds to that of the Standard solution, as obtained in the Assay	Conforms
C:Color Reaction	A blue color appears	Conforms
Solubility	Insoluble in water	Conforms
Melting Point	48.0°C-52.0°C	Conforms
Water Determination	≤0.2%	0.09%
Particle Size	100%Through 80 mesh	Conforms
Residue on ignition	≤0.1%	0.04%
Heavy metals	≤20ppm	Conforms
Chromatographic purity		
Test1:CoenzymesQ7,Q8,Q9,Q11,and related impurities	≤1.0%	0.62%
Test2:Ubidecarenone(2Z)-isomer and related impuritie	≤1.0%	0.23%
Total impurities	≤1.5%	0.85%
Microbiological Tests		
Standard Plate Count	≤1000cfu/g	Conforms
Yeast & Mold	≤100cfu/g	Conforms
Salmonella	Negative	Negative

E.Coli	Negative	Negative
Staphylococcus aureus	Negative	Negative
Conclusion:	Conform with USP46 standard	

Tested by:Tiantian Wang

Checked by: Yuanmeng Geng



Approved by: Yulian Liu

