

CERTIFICATE OF ANALYSIS

Product name:	Coenzyme Q10		
CAS NO.:	303-98-0	Standard:	In-house Standard
Batch Number:	20220526	Manuf. Date:	May. 26, 2022
Net Weight:	300kg	Expiration Date:	May. 25, 2025
Storage Condition:	Preserve in tight, light-resistant containers, and store at room temperature ($\leq 25^{\circ}\text{C}$), dry place with Non-direct sunlight.		

TEST ITEM	SPECIFICATION	RESULTS
Appearance	Yellow or orange crystalline powder.	Orange yellow fine power
Identification		
A:IR	Sample spectrum consistent with the spectrum for USP Reference Standard	Conforms
B:HPLC	Corresponds qualitatively to the reference	Conforms
C:Color Reaction	A blue color appears	Conforms
Melting Point	48.0°C-52.0°C	48.3-49.3°C
Water content	$\leq 0.2\%$	Conforms
Particle Size	NLT 90% Through 80 mesh	100%
Residue on ignition	$\leq 0.1\%$	0.06%
Heavy metals	$\leq 20\text{ppm}$	Conforms
Chromatographic purity		
Test1:CoenzymesQ7,Q8,Q9,Q11,and related impurities:	$\leq 1.0\%$	0.78%
Test2:Ubidecarenone(2Z)-isomer and related impuritie:	$\leq 1.0\%$	0.19%
Total impurities:	$\leq 1.5\%$	0.97%
Microbiological Tests		
Standard Plate Count	$\leq 1000\text{cfu/g}$	Conforms
Yeast & Mold	$\leq 100\text{cfu/g}$	Conforms
Salmonella	Negative/25g	Negative
E.Coli	Negative/10g	Negative
Staphylococcus aureus	Negative/10g	Negative
Pseudomonas	Negative/10g	Negative
Candida	Negative/10g	Negative
Assay	98.0%-101.0%	99.2%
Conclusion:	Conforms with In-house Standard	

Tested by: Tiantian Wang

Approved by: Liu Yulian

