

CERTIFICATE OF ANALYSIS

Product Name	Coenzyme Q10(Ubiquinol)	CAS	992-78-9
Batch Number	BH240731CH	Expiry Date	2026-07-30
Manufacture Date	2024-07-31	Analysis Date	2024-08-05

Items	Standards	Results	Method
Physical and chemical analysis:			
Description	Yellow Powder	Qualified	Visual
Solubility	Soluble in acetone	Qualified	Visual
Color reaction	A blue color appears	Qualified	USP42<5260>
Mesh Size	≥90% through 60 mesh	Qualified	USP<786>
Purity (wt/wt% on dry basis)	≥96%	96.5%	USP<621>
Ubidecarenone Coenzyme Q10	≤2%	Qualified	USP<621>
Coenzymes 07,Q8,09,Q11 and related impurities	≤1%	Qualified	USP<621>
Isomer and related impurities	≤1%	Qualified	USP<621>
Total impurities	≤1.5%	Qualified	USP<621>
Ash Content	≤0.2%	0.05%	USP<281>
Loss on Drying	≤0.3%	0.13%	USP<921>IC
IR	Sample spectrum consistent with the spectrum for USP Reference Standard	Qualified	U5P<197K>
Melting point	48℃~52℃	Qualified	USP<741>
Methanol	≤3000mg/kg	46.2mg/kg	USP<467>
n-Hexane	≤290mg/kg	Not detected	USP<467>
Ethanol	≤5000mg/kg	46.2mg/kg	USP<467>
Isopropyl ether	≤300mg/kg	Not detected	USP<467>
Residue analysis:			
Heavy Metal	≤10ppm	<10ppm	USP<231> II
Pb	≤0.5ppm	<0.5ppm	USP<2232>
As	≤1ppm	<1ppm	USP<2232>
Hg	≤0.1ppm	<0.1ppm	USP<2232>
Cd	≤0.5ppm	<0.5ppm	USP<2232>
Microbiological:			
Total Plate Count	≤1000cfu/g	<10cfu/g	USP<2021>
Yeast&Mold	≤50cfu/g	<10cfu/g	USP<2021>
E.coli(/10g)	Negative	Negative	USP<2022>
Salmonella(/25g)	Negative	Negative	USP<2022>
Staphylococcus Aureus (/25g)	Negative	Negative	USP<2022>
General Information:			
Conclusion	Conform to specification.		
Storage	Keep in cool & dry place. Keep away from strong light and heat.		
Shelf life	24 months under the conditions above and in its original packaging.		

Tested by: Tony Liu

Approved by: Mike He

Certified by: Albert Li

