

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Coenzyme Q10 (Ubiquinone)		
<b>Quantity</b>	500kgs		
<b>Ref Standard</b>	USP41 EP8.0		
<b>Batch Number</b>	20220618	<b>Manufacture Date</b>	20220618
<b>Report Date</b>	20220618	<b>Expiry Date</b>	20240617

Item	Spec.	Result
Appearance	Yellow or Orange crystalline powder	Conforms
Odor	No unpleasant smell, no special odor	Conforms
Identification A:IR B:Color reaction: positive C:HPLC	Sample spectrum consistent with the spectrum for USP reference Standard A blue color appears Corresponds qualitatively to the reference	Conforms Positive Conforms
Melting Point	48.0°C~52.0°C	51.0°C~52.0°C
Tapped Density	0.40g/ml~0.60g/ml	Conforms
Water	≤0.20%	Conforms
Residue on ignition	≤0.1%	0.04%
Particle size	NLT 90% pass 80mesh	Conforms
Heavy metals	≤10ppm	<10ppm
Lead (Pb)	≤0.5ppm	Conforms
Total Mercury (Hg)	≤0.1ppm	Conforms
Cadmium(Cd)	≤0.5ppm	Conforms
Total Arsenic(As)	≤1ppm	Conforms
Residual Solvents	Comply with USP<467>	Conforms
Chromatographic purity	Test 1:Coenzyme Q7,Q8,Q9,Q11 and related impurities:≤1.0%	0.51%
	Test 2:2Z isomer and related impurities:≤1.0%	0.11%
	Test 1 and Test 2: ≤1.5%	0.62%
Assay	98.0 %~101.0 % (on anhydrous basis.)	99.2%
Residual Solvents		
Acetone	≤30ppm	Not detected
N-Hexane	≤5ppm	3.6ppm
Ethanol	≤5000ppm	108ppm
Isopropyl ether	≤50ppm	Not detected
Ethyl acetate	Not use	Not detected
Acetone	Not use	Not detected

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Total Plate Count	≤1000cfu/g	Conforms
Yeast & Mold	≤50cfu/g	Conforms
Coliforms	Negative	Negative
Salmonella	Negative/25g	Negative
S. aureus	Negative/25g	Negative

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

