



## Certificate of Analysis

Product Name:	Coenzyme Q10	Origin:	China
Batch Number:	516-20250102	Manufacture Date:	Jan. 02, 2025
Quantity:	500 kg	Expiry Date:	Jan. 01, 2028

	ITEM	SPECIFICATION	RESULT	STANDARD REFERENCED
<b>Physical</b>	Appearance	Yellow to orange crystalline powder	Complies	Visual
	Odor	Characteristic	Complies	Sensory
	Loss on drying	≤0.2%	0.01%	2g/105°C/5hrs
	Residue on Ignition	≤0.1%	0.01%	2g/800°C/5hrs
	Melting point	48°C~52°C	49.6°C~50.8°C	USP
	Identification	A:IR spectrum must be corresponded to that reference standard	Complies	USP
		B:A blue color appears in color reaction		USP
	Loose density	/	0.262g/ml	W/V
	Tapped density	/	0.410g/ml	W/V
	Particle Size	Not less than 90% pass 80 mesh	93.2%	USP
<b>Chemical</b>	Heavy metals	≤10mg/kg	Complies	USP
	Arsenic(As)	≤1.0mg/kg	Complies	USP
	Lead(Pb)	≤0.5mg/kg	Complies	USP
	Cadmium(Cd)	≤0.5mg/kg	Complies	USP
	Mercury(Hg)	≤0.1mg/kg	Complies	USP
	Methanol	≤3000ppm	Complies	USP
	Ethanol	≤1000ppm	20.8ppm	USP
	Hexane	≤1ppm	0.3ppm	USP
	Isopropyl ether	≤300ppm	Complies	USP
<b>Assay</b>	Coenzyme Q10 (on the anhydrous basis)	98%~101%	98.9%	USP
	Coenzymes Q7,Q8,Q9,Q11 and Related Impurities	≤1.0%	0.51%	USP
	Ubidecarenone(2Z)-Isomer and related impurities	≤0.5%	0.19%	USP
	Total impurities	≤1.5%	0.70%	USP
<b>Microbial</b>	Total plate count	≤1000CFU/g	<10CFU/g	GB 4789.2
	Yeast & Mould	≤100CFU/g	<10CFU/g	GB 4789.15
	Coliforms	Negative/10g	Negative	GB 4789.3 MPN counting method
	Salmonella	Negative/25g	Negative	GB 4789.4



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	S.aureus	Negative/25g	Negative	GB 4789.10
<b>Else</b>	Packing	Pack in paper-drums and two food grade poly bags inside. Net weight: 25kg/drum		
	Storage condition	Seal and store in a cool and dry place, avoiding direct sunlight		
	Shelf life	Three years when properly stored.		

Tested by:

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Reviewed by:

