

## CERTIFICATE OF ANALYSIS

Product name	Coenzyme Q10 (Ubidecarenone)		
Batch number	FMQ110512		
Batch quantity	2400 kg	analysis	

ANALYSIS	SPECIFICATION	RUSULT
Identification	IR, HPLC	complies
Assay (Coenzyme Q10)	97.0-103.0%	99.41%
Relative substances	Impurity F $\leq$ 0.5% unknown impurity $\leq$ 0.05% Total impurities : $\leq$ 1.0%	complies
Characters/appearance	Orange crystalline powder	complies
Odor & Taste	characteristic	complies
Melting point	46.5°C—50°C	48°C
Solubility	insoluble in ethanol , soluble in acetone, very slightly soluble in water	complies
Water	<0.2%	0.14%
Heavy Metals		
As	$\leq$ 0.1 ppm	0.05ppm
Pb	$\leq$ 0.1 ppm	0.07 ppm
Cd	$\leq$ 0.1 ppm	negative
Hg	$\leq$ 0.1 ppm	negative
Sum	$\leq$ 1.0 ppm	0.46 ppm
Sulphated ash	<0.1%	0.08%
Pesticide Residues	Negative	Negative
Microbiological quality	Ph. Eur. category 3A	
Total Plate Count	<500 cfu/g	55 cfu/g
Yeast & Mold	<100 cfu/g	22 cfu/g
E.Coli.	Negative	Negative
Salmonella	Negative	Negative

<b>Packing &amp; Storage</b>	Store in airtight container, protected from light
<b>Shelf Life</b>	Two years if sealed and store away from direct sun light.