



PLENUM
Dr. Born

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Ihr Gesprächspartner
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Ennepetal, den 12.08.2024

Analysenresultate:

Analysennummer: NAVI/12/08/24-B

Analyse- Schwermetalle und mikrobiologisches Profil

Probenbezeichnung: Coenzym Q10-Kapseln Charge: 20240730851

(Gewicht- Kapsel: 593 mg; Mittelwert aus 10 Kapseln)

Schwermetalle:*

Blei: < 3,0 mg/kg
Arsen: < 1,0 mg/kg
Cadmium: < 0,5 mg/kg
Quecksilber: < 0,1 mg/kg

* in Anlehnung an DIN EN 15763 : 2010-04 und DIN EN 13806 : 2002-11

Mikrobiologische Untersuchungen:**

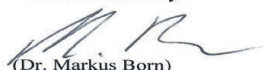
Aerobe mesophile Koloniezahl <1,0x10³ KbE/g
Hefen/Schimmelpilze <1,0x10² KbE/g
Enterobacteriaceae <1,0x10² KbE/g
Salmonella negativ
E.Coli negativ

** in Anlehnung an DIN EN ISO 4833-1: 2013-12, ISO 6611:2004-10 (mod.), ISO 21528-2:2017-06, ISO 6579-1:2017-02, DIN ISO 16649-2:2009-12

Befund:

Bezüglich der durchgeführten Untersuchungen ist obiges Produkt nicht zu beanstanden

Head of Laboratory:



(Dr. Markus Born)

Die Prüfergebnisse beziehen sich ausschließlich auf die zur Verfügung gestellten Proben. Die Weitergabe des Analysenprotokolls und dessen Verwendung zu Werbezwecken bedarf unserer schriftlichen Genehmigung.



1. Technical Data Sheet			
Chemical Name	Ubiquinone		
CAS number	303-98-0		
Molecular weight	863.343		
Molecular Formula	C59H90O4		
Compliance (Food / Pharmacopoeia / FCC / Feed)	Food / Pharmacopoeia / Cosmetic		
Source (animal, plant, mineral, petrochemical)	Bacteria		
Brief introduction:			
Coenzyme Q10, also known as ubiquinone, is a coenzyme family that is ubiquitous in animals and most bacteria (hence the name ubiquinone). In humans, the most common form is coenzyme Q10 or ubiquinone-10, as a dietary supplement and is an ingredient in some cosmetics and pharmaceutical industry.			
The biggest application of Coenzyme Q10 is in cardiovascular products, the ingredient is in yellow to orange crystalline powder, no less than 98.0% and not more than 101.0% of C59H90O4 calculated on the anhydrous basis.			
Item	Standard	Testing Result	
Appearance & Solubility			
Appearance	Yellow to orange crystalline powder	Conforms	
Solubility	Soluble in ether, very slightly soluble in dehydrated alcohol; practically insoluble in water	Conforms	
Particle Size	90% pass through 80 mesh	Conforms	
Typical Analysis			
Identification	IR	IR spectrum of the test specimen should be consistent with the IR spectrum of reference standard	Conforms
	Color Reaction	Blue Color Reaction	Conforms
Assay	98.0~ 101.0%	99.5%	
Melting Point	48°C ~ 52°C	Conforms	
Loss on Drying	≤0.2%	0.10%	
Residue on Ignition	≤0.1%	0.04%	
Chromatographic Purity	Related Impurity	≤1.0%	0.74%

Persönlich haftende Gesellschafterin:

Euro Business GF GmbH - **Sitz:** Hanau

Amtsgericht: Hanau - HRB 99003

Geschäftsführer: Ralf Antzenberger

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Eingetragen im Handelsregister des

Amtsgericht

Hanau HRA 93314



DE-ÖKO-007

	Isomer and related impurities	≤0.5%	0.20%
	Total impurities (Test 1 & 2)	≤1.5%	0.94%
Residual Solvent	Ethanol	≤5000ppm	conforms
	Ethyl Acetate	≤5000ppm	
	n-Hexane	≤290ppm	
	n-Heptane	≤5000ppm	
Heavy metals			
Total Heavy Metals	≤10 ppm		conforms
Lead	≤0.5 ppm		conforms
Arsenic	≤1.0 ppm		conforms
Cadmium	≤0.5 ppm		conforms
Mercury	≤0.1 ppm		conforms
Microorganism			
Aerobic bacterial count	≤1,000 cfu/g		40cfu/g
Total Molds & Yeasts	≤50 cfu/g		7cfu/g
Bile-tolerant gram negative bacteria	≤10 MPN/g		conforms
E.Coli	Negative/10g		Not detected
Salmonella	Negative/25g		Not detected
Pseudomonas aeruginos	Negative/10g		Not detected
Staphylococcus aureus	Negative/25g		Not detected

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