



# Bulk Naturals Wholesale LLC

**bulknaturalswholesale.com**

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## COENZYME PQQ PYRROLOQUINOLINE QUINONE POWDER

### CERTIFICATE OF ANALYSIS

LOT: BN20230828/CA

**Manufacture Date:** August 28, 2022

**QA Signature:** Steven Konert

**Expiration Date:** August 27, 2024

Specification	Parameter	Result
Assay(%,on dryide basis)	≥ 98.0%	98.2%
<b>Physical &amp; Chemical Test</b>		
Appearance	Dark Red fine powder	Complies
Odor	Characteristic	Complies
Tasted	Sour	Complies
Affirmation Test	A233/A259=0.9±0.09 A322/A259=056±0.03	0.87 0.58
Sodium/PQQ Ratio	1.7-2.1	1.9
Extract Solvent	Ethanol	Complies
Loss on Drying	5.0% Max	0.53%
Residual solvent(Ethanol)	≤500ppm	Complies
<b>Heavy Metals</b>		
Lead (Pb)	1 ppm	Complies
Arsenic (As)	2ppm Max	Complies
Cadmium (Cd)	1 ppm	Complies
Mercury (Hg)	0.5 ppm	Complies
<b>Microbiological Limit</b>		
Total plate count	1,000cfu/g Max	Complies
Yeast & Mol	100cfu/g Ma	Complies
Escherichia Coli	Negative 10g.	Not Detected
Salmonella	Negative 10g.	Not Detected
Staphylococcus Aureus	Negative 10g.	Not Detected

**Storage:** Store in a well-closed place with constant low temperature and no direct sun light.

Shelf life is guaranteed for two years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Containers that have been opened should be tested at least yearly to ensure potency. Although Bulk Naturals Wholesale LLC. believes the above information to be accurate based on the information available to Bulk Naturals, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to using to verify that the product purchased from Bulk Naturals meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material are subject to Bulk Naturals Wholesale LLC. standard terms and conditions, which supersede any conflicting terms contained on the Buyer's purchase order or any document or instrument supplied by Buyer.