



西安绿泉科技有限公司

XI'AN GREEN SPRING TECHNOLOGY CO., LTD.

CERTIFICATE OF ANALYSIS

| | | | |
|---|--|----------------------------------|----------------|
| Product | Coenzyme Q10(Ubiquinol) | | |
| Batch No. | 240731 | CAS NO.: | 992-78-9 |
| Quantity | 500kg | Product Date | 31st Jul, 2024 |
| Ref Standard | USP42 | Expiry Date | 30th Jul,2026 |
| Items & Results | | | |
| Item | Spec. | Result | |
| Appearance | Off-white powder, | Conforms | |
| Odor | No unpleasant smell, no special odor | Conforms | |
| Solubility | Soluble in acetone. | 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 thereference | Conforms Positive Conforms | |
| Melting Point | 48.0℃~52.0℃ | 49.5℃~50.7℃ | |
| Water (KF) | ≤0.30% | 0.13% | |
| Residue on ignition | ≤0.20% | 0.05% | |
| Particle size | NLT 90% pass 60mesh | Conforms | |
| Heavy metals | ≤10ppm | <10ppm | |
| Lead (Pb) | ≤0.5ppm | Conforms | |
| Total Mercury (Hg) | ≤0.1ppm | Conforms | |
| Cadmium(Cd) | ≤0.5ppm | Conforms | |
| Total Arsenic(As) | ≤1.0ppm | Conforms | |
| Residual Solvents | Comply with USP<467> | Conforms | |
| | Ubidecarenone Coenzyme Q10≤2.0% | Conforms | |
| Chromatographic purity | Test 1:Coenzyme Q7, Q8, Q9, Q11 and related impurities:≤1.0% | Conforms | |
| | Test 2:Isomer and related impurities:≤1.0% | Conforms | |
| | Total impurities: ≤1.5% | Conforms | |
| Assay | ≥96.0% (on anhydrous basis.) | 96.5% | |
| Residual Solvents | | | |
| N-Hexane | ≤90ppm | Conforms | |
| Ethanol | ≤5000ppm | Conforms | |
| Methanol | ≤3000ppm | Conforms | |



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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 | | |
| Conclusion | Conform to USP42 Standard | | | |
| Packaging | The product is contained in two Low-density polyethylene bag (food grade). The first Low-density polyethylene bag is vacuum. The second Low-density polyethylene bag is vacuum and add antioxidant. The two Low-density polyethylene bag is contained in aluminum bag and fill with nitrogen gas, 5kg per bag, 20Kg per carton. | | | |
| Storage | Store at place with temperatures ≤25C , Avoid from strong light and heat. | | | |
| Shelf Life | 2 Years when properly stored. After opening, it should be used immediately and avoid contact with air as much as possible The content in the air will gradually decrease. | | | |
| Analyst | Review | Liu Aiqin | Supervisor of QC | Li Min |

