TIANCI

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SPECIFICATION

Coenzyme Q10（Ubiquinone）`

Item	Specification	
Appearance	Yellow or Orange crystalline powder	
Solubility	Soluble in ether,trichloromethane and acetone;very slightly soluble in dehydrated alcohol;practically insoluble in water.	
Identification	IR	IR spectrum of the test specimen should be consistent with the IR spectrum of referencestandard.
	Color Reaction	A blue color appears.
Melting Point	48.0℃~52.0℃	
Water	≤0.2%	
Tapped density	0.40g/ml~0.60g/ml	
Residue on ignition	≤0.1%	
Pb	≤0.5ppm	
As	≤1.0ppm	
Hg	≤0.1ppm	
Cadium	≤0.5ppm	
Chromatographic purity	Related Impurities ≤1.0%	
	Isomer and related Impurities ≤0.5%	
	Total impurities ≤1.5%	
Assay	98.0 %~101.0 %（on anhydrous basis.）	
Residual Solvents	Ethanol ≤5000ppm	
	Ethyl acetate≤5000ppm	
	n-Hexane≤290ppm	
	n-Heptane≤5000ppm	
Total Plate Count	≤1000CFU/g	
Yeast & Mold	≤50CFU/g	
E.col	Absent in 10g	
Salmonella	Absent in 25g	
Staphylococcus	Absent in 25g	
Conclusion	Meet the standard of USP40	