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CERTIFICATE OF ANALYSIS

Name : Coenzyme Q₁₀ Specification : USP41
Batch No. : 51-1806123 Manu. Date : JUN.27, 2018
Package : 5kgs/drum*2drums/carton Expiry Date : JUN.26, 2021
Quantity : 50kgs

ITEM	SPECIFICATION	RESULT
1. Appearance	Yellow to orange crystalline powder	Complies
2. Identification A: IR B: Color Reaction C: HPLC	Corresponds qualitatively to the reference A blue color appears Corresponds qualitatively to the reference	Complies Positive Complies
3. Melting Point	48.0°C-52.0°C	51.0°C-52.0°C
4. Water	≤0.2%	0.04%
5. Residue on Ignition	≤0.1%	0.03%
6. Particle Size	Not less than 90% pass 80 mesh	Complies
7. Heavy Metal	≤20ppm	<10ppm
8. Residual Solvents	Comply with USP<467>	Complies
9. Chromatographic purity	Test 1: Coenzyme Q ₇ , Q ₈ , Q ₉ , Q ₁₁ and related impurities: ≤1.0%	0.44%
	Test 2: 2Z isomer and related impurities: ≤1.0%	0.13%
	Test 1 & Test 2: ≤1.5%	0.57%
10. Microbial Limit Test		
(1) Standard Plate Count	≤1000cfu/g	<10cfu/g
(2) Yeast & Mold	≤50cfu/g	<10cfu/g
(3) Coliforms	≤3cfu/g	<3cfu/g
(4) E. Coli	Negative/10g	Negative
(5) Salmonella	Negative/25g	Negative
(6) S.aureus	Negative/25g	Negative
11. Content (%)	Not less than 98.0% and not more than 101.0% of C ₅₉ H ₉₀ O ₄ calculated on the anhydrous basis	99.80%

Conclusion: Complies with the requirements of USP41.

Storage: Store in tightly closed original container, protected from light, in a dry place at low temperature (≤25°C).