

CERTIFICATE OF ANALYSIS

Report Date: SEP 31, 2021

Name	: <u>Coenzyme Q₁₀</u>	Specification	: <u>USP41/ EP8.0/ JP17</u>
Batch No.	: <u>51-2109138</u>	Manu. Date	: <u>SEP 22, 2021</u>
Package	: <u>5kgs/tin*2tins/carton</u>	Expiry Date	: <u>SEP 21, 2024</u>
Quantity	: <u>450kgs</u>		

ITEM	SPECIFICATION	RESULT
1. Appearance	Yellow or 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%	0.03%
5. Residue on Ignition	≤ 0.1%	0.03%
6. Particle Size	Not less than 90% pass 80 mesh	Complies
7. Heavy Metal	≤ 10ppm	<10ppm
8. Arsenic	≤ 1ppm	Complies
9. Lead	≤ 1ppm	Complies
10. Mercury	≤ 0.1ppm	Complies
11. Cadmium	≤ 1ppm	Complies
12. Residue Solvents	Must comply	Complies
13. Chromatographic purity	Test 1: Sum of all impurities: ≤ 1.0%	0.46%
	Test 2: Sum of all impurities: ≤ 1.0%	0.01%
	Test 1 & Test 2: Sum of all impurities: ≤ 1.5%	0.47%
14. Related Substances	Single impurity: not more than 0.5%	Complies
	Sum of all impurities: not more than 1.0%	Complies
15. Impurity F	≤ 0.5%	Complies
16. Microbial Limit Test		
(1) Standard Plate Count	≤ 1000cfu/g	<10cfu/g
(2) Yeast & Mold	≤ 50cfu/g	<10cfu/g
(3) Coliforms	≤ 3MPN/g	< 3MPN/g
(4) E. Coli	Negative/10g	Negative
(5) Salmonella	Negative/25g	Negative
(6) S.aureus	Negative/25g	Negative
17. Content (%)	Not less than 98.0% and not more than 101.0% of C ₅₉ H ₉₀ O ₄ calculated on the anhydrous basis	99.60%

Conclusion: Complies with the requirements of USP41/ EP8.0/ JP17.

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

The above data are no warranty in regard to the suitability of the product for a concrete purpose and do not release the user from his obligation of testing within the usual good inward inspection and the legal regulations.