

## QUALITY SPECIFICATION

### Coenzyme Q10

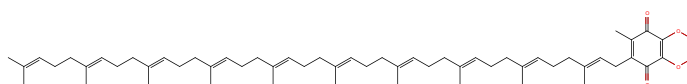
Catalog No.: NST-10-156

CAS No.: 303-98-0

Molecular formula:  $C_{59}H_{90}O_4$

MW: 863.34

Shelf life: 2 years



| No. | Parameter           | Specification           | Method       |
|-----|---------------------|-------------------------|--------------|
| 1.  | Appearance          | Fine powder             | Visual       |
| 2.  | Color               | Yellow orange           | Visual       |
| 3.  | Assay               | ≥98.0 %                 | HPLC         |
| 4.  | Odor                | Characteristic          | Organoleptic |
| 5.  | Taste               | Characteristic          | Organoleptic |
| 6.  | Mesh size/sieve     | ≥95% pass 80 mesh       | 80 mesh      |
| 7.  | Bulk density        | ≤0.8 g/ml               | USP <616>    |
| 8.  | Residue on ignition | ≤0.1 %                  | USP <281>    |
| 9.  | Water               | ≤0.2 %                  | USP <731>    |
| 10. | Related substances  | Total impurities ≤1.5 % | HPLC         |
| 11. | Solvent residues    | USP <467>               | GC           |
| 12. | Heavy Metals        | ≤10 ppm                 | ICP-MS       |
| 13. | Lead                | ≤2 ppm                  | ICP-MS       |
| 14. | Arsenic             | ≤1 ppm                  | ICP-MS       |
| 15. | Mercury             | ≤0.1 ppm                | ICP-MS       |
| 16. | Cadmium             | ≤1 ppm                  | ICP-MS       |

|     |                              |                        |            |
|-----|------------------------------|------------------------|------------|
| 17. | TPC                          | <10 <sup>3</sup> CFU/g | USP <2021> |
| 18. | TYMC                         | <10 <sup>2</sup> CFU/g | USP <2021> |
| 19. | <i>Escherichia Coli</i>      | Absent                 | USP <2022> |
| 20. | <i>Salmonella</i>            | Absent                 | USP <2022> |
| 21. | <i>Staphylococcus aureus</i> | Absent                 | USP <2022> |

Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored