

QUALITY SPECIFICATION

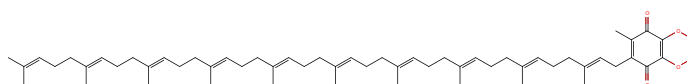
Coenzyme Q10

Catalog No.: NST-10-156

CAS No.: 303-98-0

Molecular formula: C₅₉H₉₀O₄

MW: 863.34



No.	Parameter	Specification	Method
1.	Appearance	Crystalline powder	Visual
2.	Color	Yellow to orange	Visual
3.	Identification	A: Take the test solution under the content determination item, add 50 mg of sodium borohydride, shake well, and the yellow color of the solution disappears B: Conforms with the main peak of the reference solution C: Conforms with the reference spectrum	A: Visual B: UV C: HPLC
4.	Assay	≥98.0%	HPLC
5.	Solubility	Easily soluble in n-hexane, soluble in acetone, extremely slightly soluble in ethanol, and insoluble in water	Visual
6.	Odor	Odorless	Organoleptic
7.	Taste	Tasteless	Organoleptic
8.	Sulfated ash	≤0.1 %	In house
9.	Melting point	48°C-52°C	Melting point apparatus

10.	Individual impurities	$\leq 0.5 \%$	HPLC
11.	Total impurities	$\leq 1.0 \%$	HPLC
12.	Heavy Metals	$\leq 20 \text{ ppm}$	ICP-MS

Storage: long term storage - airtight container +2 ... +8 °C

Stability: 24 months when properly stored