



## CERTIFICATE OF ANALYSIS

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### 1. Identification

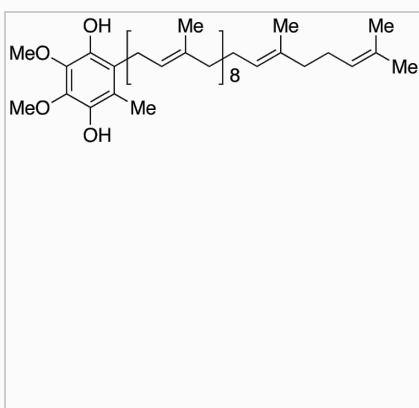
**Catalogue Number:** U700500

**CAS Number:** 992-78-9

**Product:** Ubiquinol

**Synonym:** 2-[(2E,6E,10E,14E,18E,22E,26E,30E,34E)-3,7,11,15,19,23,27,31,35,39-Decamethyl-2,6,10,14,18,22,26,30,34,38-tetracontadecaen-1-yl]-5,6-dimethoxy-3-methyl-1,4-benzenediol; Dihydrocoenzyme Q10; Reduced Coenzyme Q10; Reduced Ubiquinone Q10; Ubiquinol 50;

**Structure:**



**Molecular Formula:**

$C_{59}H_{92}O_4$

**Molecular weight:**

865.36

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Slightly), Ethyl Acetate (Slightly), Methanol (Very Slightly)

**Lot Number:** 11-NZZ-43-2

**Purity:** 97%

**Shipping Condition:** This Product Is Stable To Be Shipped With Dry Ice

**Storage Condition:** -86°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

| Tests:             | Specifications:           | Results:                        |
|--------------------|---------------------------|---------------------------------|
| Appearance         | Off-White to Orange Solid | Pale Yellow to Pale Beige Solid |
| NMR                | Conforms to Structure     | Conforms                        |
| Elemental Analysis | Conforms                  | %C: 81.05, %H: 11.14            |
| MS                 | Conforms to Structure     | Conforms                        |

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

| Reviewed By | Reviewed By   | C of A Approved By  | Test Date | Retest Date |
|-------------|---------------|---------------------|-----------|-------------|
| Nicole Yip  | Toni Rantanen | Christina Gouliaras | 9/1/2022  | 8/30/2026   |