



## Trafa Pharmaceutical Supplies, LLC

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### Specification Sheet

|                                                                              |                                                                                      |                 |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------|
| Product Name                                                                 | Coenzyme Q10 (Ubiquinone)                                                            |                 |
| STANDARD                                                                     | USP29                                                                                |                 |
| Origin                                                                       | China                                                                                |                 |
| ANALYSIS                                                                     | SPECIFICATION                                                                        | TEST METHODS    |
| Assay (on dried                                                              | 98.0-101.0%                                                                          | HPLC            |
| Purity                                                                       | NMT 1.0%                                                                             | HPLC            |
| a) Coenzyme Q7, Q8, Q9, Q11 and related impurities                           | NMT                                                                                  | HPLC HPLC       |
| b) Z-isomer and related impurities                                           | 1.0%                                                                                 |                 |
| c) Total impurities {Calculate the sum of the percentages obtained by Purity | NMT                                                                                  |                 |
|                                                                              | 1.5%                                                                                 |                 |
| Chemical Physical Control                                                    |                                                                                      |                 |
| Characters/Appearance                                                        | Fine Crystalline Powder                                                              | Visual          |
| Color                                                                        | Yellow to orange                                                                     | Visual          |
| Odor                                                                         | Odorless                                                                             | Organoleptic    |
| Taste                                                                        | Tasteless                                                                            | Organoleptic    |
| Identification                                                               |                                                                                      |                 |
| IR                                                                           | Meet the requirements                                                                | IR Spectrometry |
| Chemical Test                                                                | A blue color appears                                                                 | /               |
| Particle size/Sieve Analysis                                                 | NLT 95% pass through 80 mesh                                                         | 80 Mesh Screen  |
| Loss on drying                                                               | NMT 0.2%                                                                             | 1g/105°C/2hrs   |
| Residue on ignition                                                          | NMT0.1%                                                                              | 2g/525°C/3hrs   |
| Heavy Metals                                                                 | NMT20ppm                                                                             | Colorimetric    |
| As                                                                           | NMT2ppm                                                                              | USP             |
| Pb                                                                           | NMT2ppm                                                                              | USP             |
| Microbiology Control                                                         |                                                                                      |                 |
| Total Plate Count                                                            | NMT1,000cfu/g                                                                        | USP             |
| Total Yeast & Mold                                                           | NMT100cfu/g                                                                          | USP             |
| E.Coli.                                                                      | Negative                                                                             | USP             |
| Salmonella                                                                   | Negative                                                                             | USP             |
| Staphylococcus                                                               | Negative                                                                             | USP             |
| Packing & Storage                                                            | 1 Kg Aluminum Foil<br>Store in a well-closed container Away from light and moisture. |                 |
| Shelf Life                                                                   | Three years if sealed and store away from direct sun light.                          |                 |

**Conclusion:** Conforms with USP 29 Specification

Note: The above information is based on the COA received from the manufacturer of this product.