

Nisshin Pharma, THE PIONEER OF Coenzyme Q<sub>10</sub>,  
now introduces advanced Water-Dispersible Coenzyme Q<sub>10</sub>



Water-Dispersible powder including 40% of Coenzyme Q<sub>10</sub>

# PureSorb-Q<sup>TM</sup>-40-NF



PureSorb-Q<sup>TM</sup>-40-NF manufacturing facility  
(Ueda Plant)



Integrated manufacture at our in-house plant from material to products.  
Experience the outstanding quality only available from Nisshin Pharma.

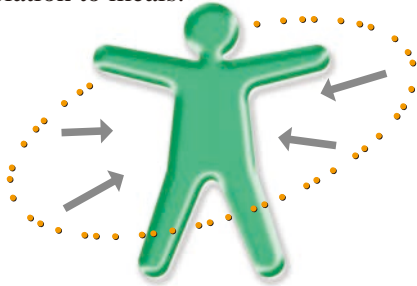
Nanotechnology Brings New Benefits to Coenzyme Q<sub>10</sub>

# PureSorb-Q™-40-NF

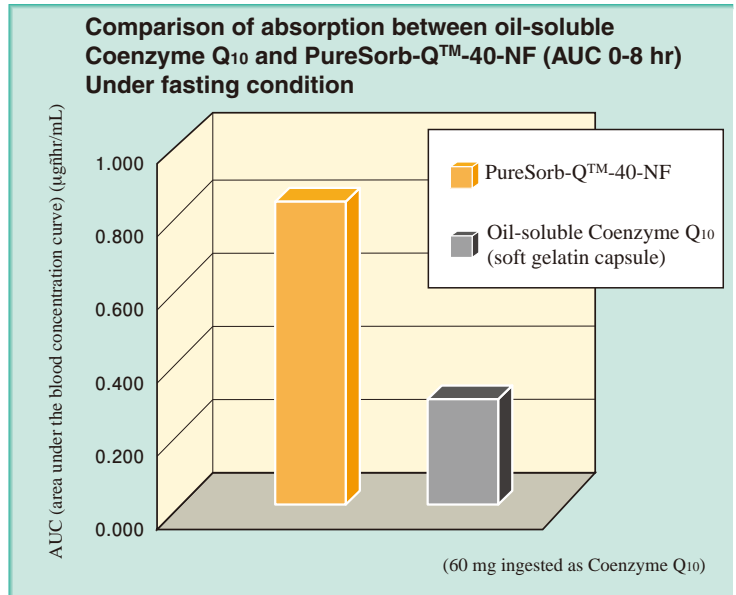
## Absorption

### Excellent absorbability

Users of conventional, Oil-soluble Coenzyme Q<sub>10</sub> have long been advised to ingest it with a meal, as absorption between meals is poor. With PureSorb-Q™-40-NF, however, satisfactory absorption is achieved at any time in relation to meals.



The superb absorption achieved by this product is due to its ultra-fine particle size (mean particle size in water: 0.2 μm), a product of state-of-the-art nanotechnology



## Dispersibility

**Excellent dispersibility** Outstanding dispersibility in water



PureSorb-Q™-40-NF disperses in water



Conventional Coenzyme Q<sub>10</sub> is oil-soluble and does not disperse in water.

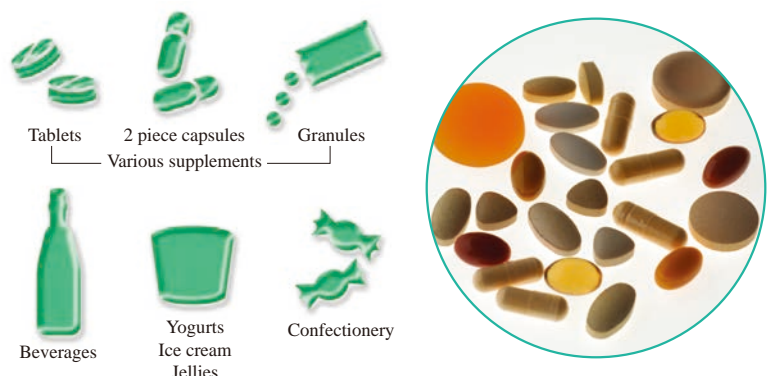
## Stability

**Excellent stability** New formula provides increased stability of Coenzyme Q<sub>10</sub>

## Flexibility

### Flexibility

- High concentration
- Trouble-free tableting (no sticking or red spots on the surface, etc.)
- Odorless & Tasteless
- Applicable to a wide variety of dosage forms including chewable tablets, 2 piece capsules, granules, or can be mixed with beverages, jellies, yogurts, etc.



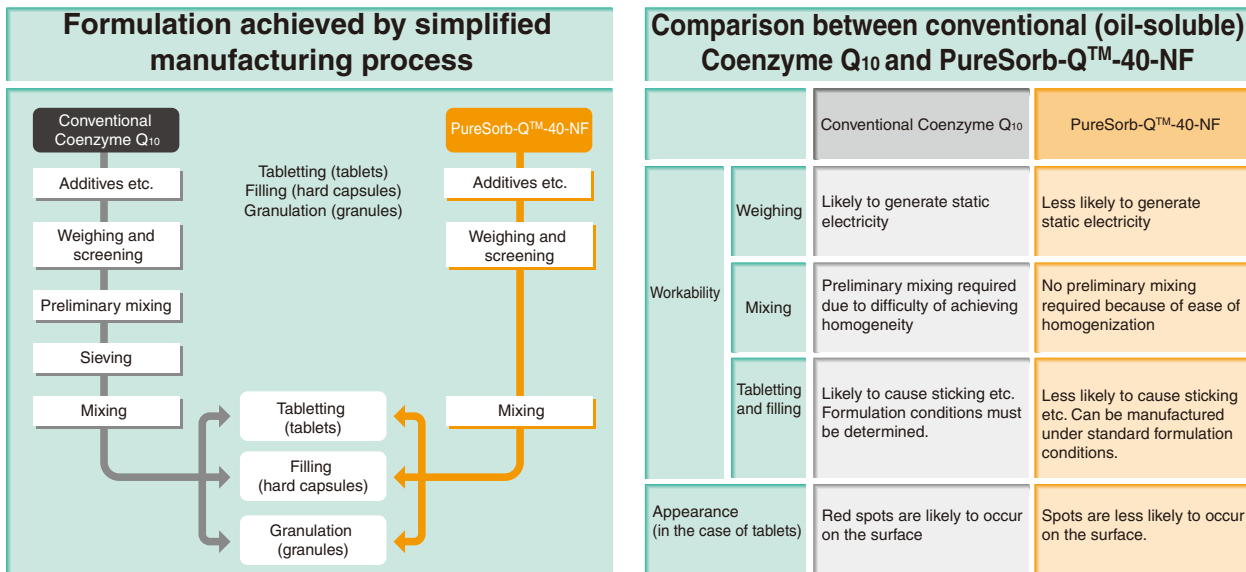
# From Oil to Water

PureSorb-Q™-40-NF powder enables dispersion in water even at a high concentration (40%).

Compatible with a wider variety of dosage forms compared to conventional oil-soluble Coenzyme Q<sub>10</sub>

## Usability

**Excellent processability** Compared to conventional oil-soluble Coenzyme Q<sub>10</sub>, the manufacturing process for PureSorb-Q™-40-NF has been simplified.



## Safety

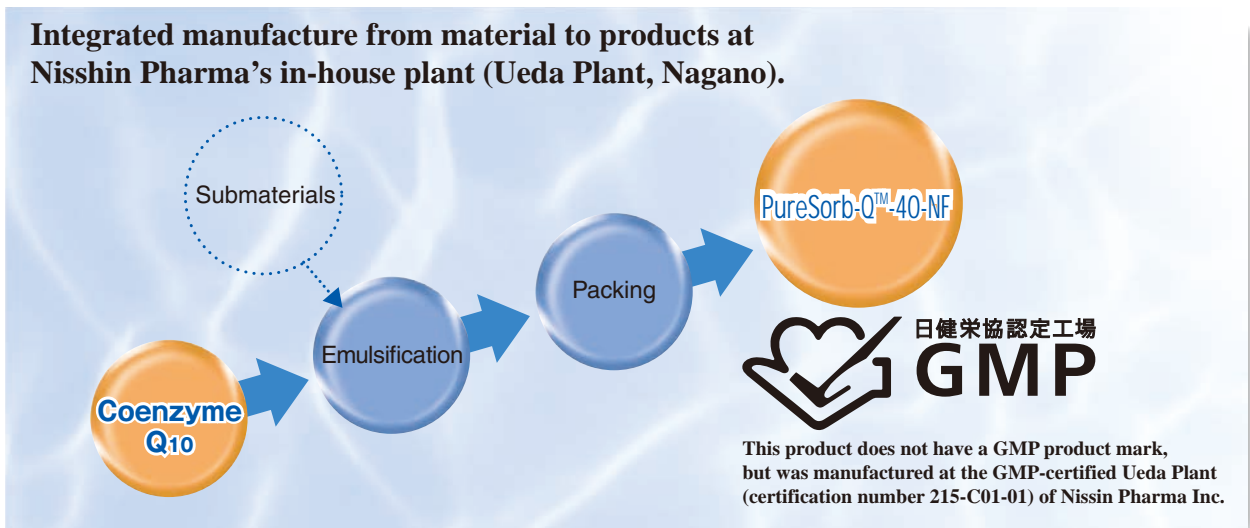
### Excellent safety

- Safety demonstrated through stringent testing

#### No safety issues were identified in the following studies:

1. Repeat-dose studies by oral administration to rats for 13 weeks  
1,000, 2,000 mg/kg/day of PureSorb-Q™-40-NF (400, 800 mg/kg/day as Coenzyme Q<sub>10</sub>)
2. Repeat oral ingestion studies on humans for 4 weeks 2,250 mg/day of PureSorb-Q™-40-NF (900 mg/day as Coenzyme Q<sub>10</sub>)

### Integrated manufacture from material to products at Nissin Pharma's in-house plant (Ueda Plant, Nagano).



We at Nisshin Pharma  
as a food-producing member of Nisshin Seifun Group Inc.,  
are constantly striving to improve food safety and quality.

To us, “food” means anything that comes in contact with a customer’s mouth.  
All the food we produce is subject to strict testing and inspection.

PureSorb-Q™-40-NF is manufactured at our in-house plant  
under stringent quality control.

As a pioneer who has been engaged with Coenzyme Q<sub>10</sub>  
from its initial development,  
Nisshin Pharma puts a wealth of accumulated expertise to work in all phases of operations,  
including customer consultation,  
product development of dietary supplements.

Our highest priority is the safety and confidence of our customers.  
Nisshin Pharma delivers on this pledge by producing quality products in our integrated  
manufacturing facility.



## ■ Specifications

Test	Specification
Appearance	Yellowish white to orange powder
Dispersion in water	After uniformly dispersing the sample in purified water and keeping it stand for 30 minutes, no particles or precipitates greater than 1 mm are observed.
Water	Not more than 5%
Assay (Coenzyme Q <sub>10</sub> )	Not less than 39.2%
Arsenic (as As <sub>2</sub> O <sub>3</sub> )	Not more than 2ppm
Heavy metals (as Pb)	Not more than 20ppm
Total bacteria count	Not more than 1,000 cfu/g
Coliforms	Negative

■ **Shelf Life:** 30 months in unopened package

■ **Storage Conditions:** Store in a cool, dry environment, away from light.

■ **Ingredients:** Coenzyme Q<sub>10</sub>, Food starch-modified, Maltodextrin (tapioca), Glycerin

■ **Labeling method:** The amount of coenzyme Q<sub>10</sub> for a particular finished product is labeled with the coenzyme Q<sub>10</sub> content (40%) of the product in question.



1kg (aluminum bag)

## Inquiries

### Nisshin Pharma Inc.

25, KANDA-NISHIKI-CHO 1-CHOME, CHIYODA-KU, TOKYO, 101-8441 JAPAN

TEL: +81-3-5282-6540 FAX: +81-3-5282-6152

<https://www.coq10.jp/>