

Aqua Q₁₀ L10

*Aqueous solution best for
beverages, dressing, yogurt, seasoning etc.*



From left to right

Blank (Water), 10mg, 30mg, 50mg, 100mg, Aqua Q₁₀ L10

Characteristic

High CoQ10 (10%) aqueous solution type.

Excellent absorption property.

Well absorbed even consumed without meal. The absorption of Coenzyme Q10 is very poor when consumed without meal. This is mainly due to the fact that Coenzyme Q10 is oil-soluble and as like other fat-soluble vitamins it should be well emulsified with bile before absorbed to the body. Bile is well secreted when meal goes to stomach. However, our high technology succeeded to create the material which is well absorbed even taken without meal.

Excellent stability.

***Nano-order emulsion with particle size distribution
at the average of 52nm (0.052 μ m).***

For inquiry:

Eisai Food & Chemical Co., Ltd.
2-13-10 Nihonbashi, Chuo-ku, Tokyo 103-0027 Japan
TEL: +81-3-3548-3560 FAX: +81-3-3273-2084
Email : _ml_info.efc@eisai-fc.co.jp



See Reverse Side

Applications

| | |
|--------------------------------|--|
| <i>Beverages</i> | |
| <i>Yogurt</i> | |
| <i>Dressing and Mayonnaise</i> | |
| <i>Seasoning</i> | |
| <i>Confectionery</i> | |

: Most Suitable : Suitable : Can be used

Product Specification

| <i>Test</i> | <i>Specification</i> |
|-------------------------------------------------|-------------------------------------------------|
| <i>Appearance</i> | <i>Yellow to orange viscous liquid</i> |
| <i>Assay (CoQ₁₀)</i> | <i>Not less than 9.8%</i> |
| <i>Arsenic (as As₂O₃)</i> | <i>Not more than 2ppm</i> |
| <i>Heavy metal (as Pb)</i> | <i>Not more than 20ppm</i> |
| <i>Standard Plate Count</i> | <i>Not more than 1.0 × 10³ cfu/g</i> |
| <i>Coliforms</i> | <i>Negative</i> |

Stability

- Emulsion is very stable in acidic solution or high salty solution. It is also heat stable.
- Does not crystallize or precipitate out even refrigerated.

Product Information

- Packaging: @1kg in resin container.
- Shelf Life: 1 year in unopened container.
- Storage Condition: Refrigerate at 0-10 degree Celsius. Do not freeze.



Manufactured by: **Nisshin Pharma Inc.**
25 Nishiki-cho Icchome, Kanda,
Chiyoda-ku, Tokyo 101-8441 Japan

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Aqua Q₁₀ P5

*5% powder type best applied in
mix beverage powder, yogurt – dairy products, seasoning etc.
Also applicable for confectionery and candy.*



Characteristic

Powder type CoQ₁₀ with high water dispersibility.

Excellent absorption property.

Well absorbed even consumed without meal. The absorption of Coenzyme Q10 is very poor when consumed without meal. This is mainly due to the fact that Coenzyme Q10 is oil-soluble and as like other fat-soluble vitamins it should be well emulsified with bile before absorbed to the body. Bile is well secreted when meal goes to stomach. However, our high technology succeeded to create the material which is well absorbed even taken without meal.

Aqua Q₁₀ P5 is formulated with high stability. (Patented)

Quickly soluble even in cold water.

***Slightly sweet taste and does not affect the taste
of other food ingredient.***

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See Reverse Side

Applications

| | |
|-------------------------------------------|--|
| <i>Supplement tablet/Hard-gel capsule</i> | |
| <i>Beverages</i> | |
| <i>Yogurt</i> | |
| <i>Dressing and Mayonnaise</i> | |
| <i>Powder type soup, Tea</i> | |
| <i>Seasoning</i> | |
| <i>Confectionery</i> | |

: Most Suitable : Suitable : Can be used

Product Specification

| <i>Test</i> | <i>Specification</i> |
|-------------------------------------------------|-------------------------------------------------------------------------|
| <i>Appearance</i> | <i>Yellowish white to orangish yellow crystalline powder to granule</i> |
| <i>Water Dispersibility</i> | <i>Pass the test</i> |
| <i>Water</i> | <i>Not more than 5%</i> |
| <i>Assay (CoQ₁₀)</i> | <i>Not less than 4.9%</i> |
| <i>Arsenic (as As₂O₃)</i> | <i>Not more than 2ppm</i> |
| <i>Heavy metal (as Pb)</i> | <i>Not more than 20ppm</i> |
| <i>Standard Plate Count</i> | <i>Not more than 1.0 × 10³ cfu/g</i> |
| <i>Coliforms</i> | <i>Negative</i> |

Product Information

- Packaging: @1kg in aluminated bag.
- Shelf Life: 1 year in unopened container.
- Storege Condition: Avoid from sunlight and store in cool and dark place.

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日清製粉グループ



Nisshin Pharma, THE PIONEER OF CoQ₁₀,
now introduces advanced Water-Dispersible CoQ₁₀.



Water-Dispersible CoQ₁₀ powder including 40% of CoQ₁₀

PureSorb-QTM40



PureSorb-Q₁₀ manufacturing facility
(Ueda Plant)



Capsulation 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 CoQ₁₀

PureSorb-Q₄₀TM

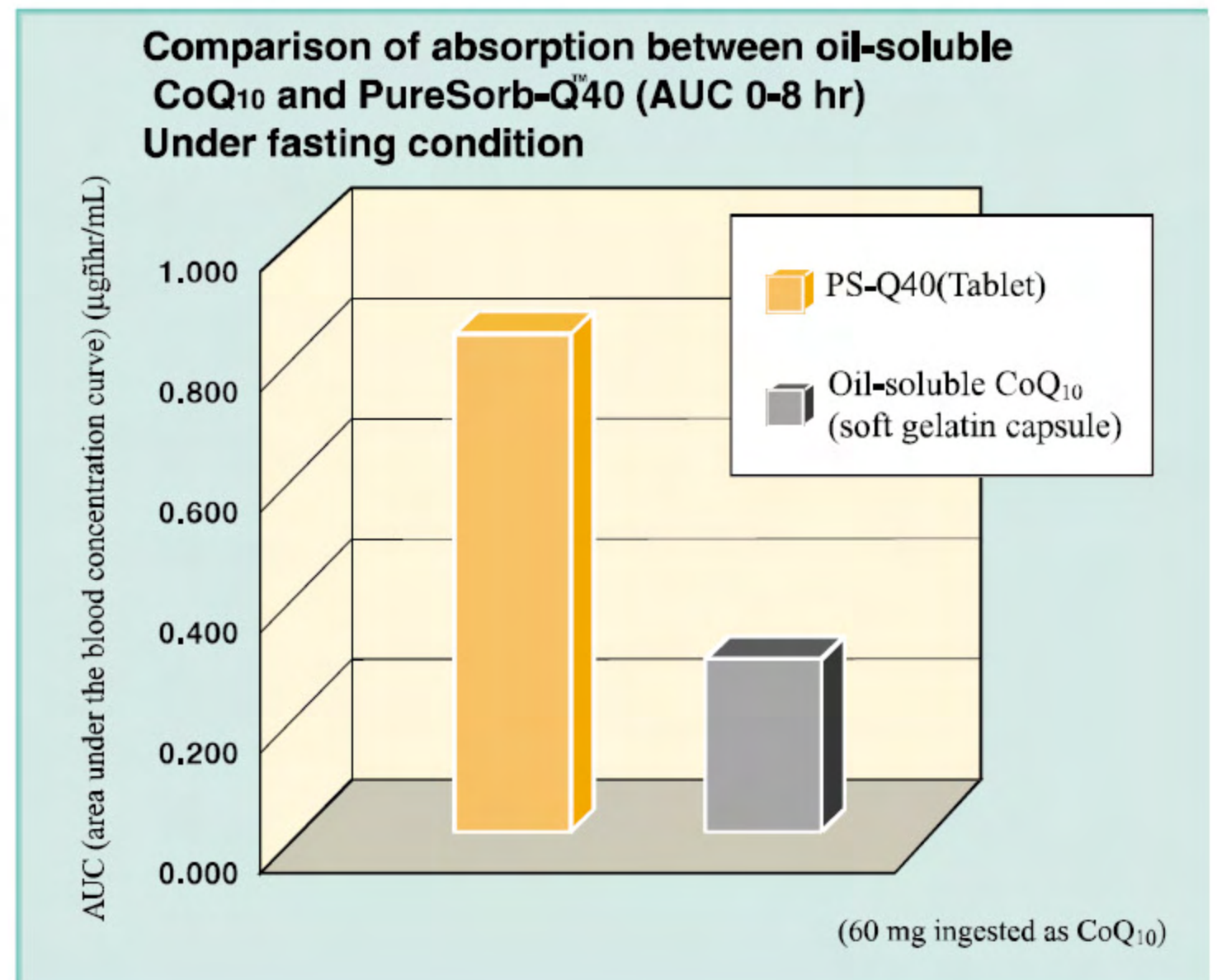
Absorption

Excellent absorbability

Users of conventional, Oil-soluble CoQ₁₀ have long been advised to ingest it with a meal, as absorption between meals is poor. With PureSorb-QTM40, however, satisfactory absorption is achieved at any time in relation to meals.

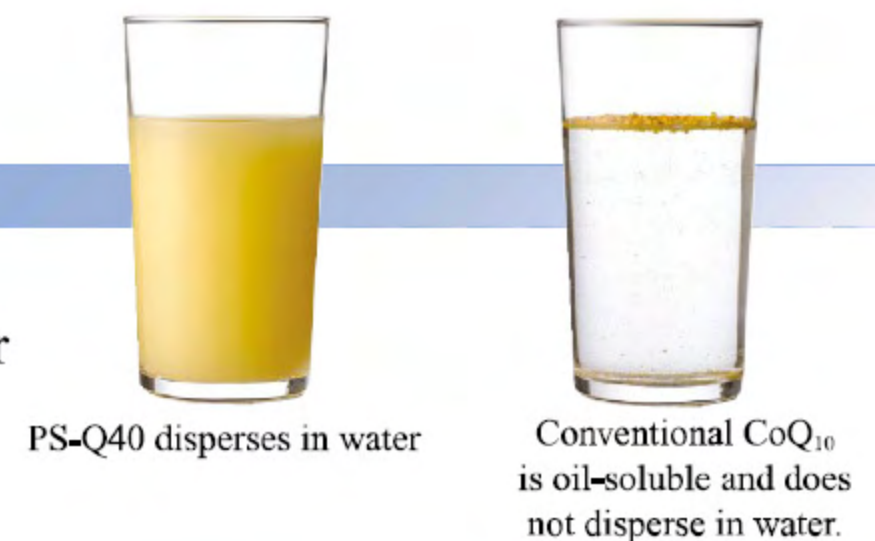


The superb absorption achieved by this product is due to its ultra-fine particle size (mean particle size in water: 0.2 μm), a product of state-of-the-art nanotechnology



Dispersibility

Excellent dispersibility Outstanding dispersibility in water



Conventional

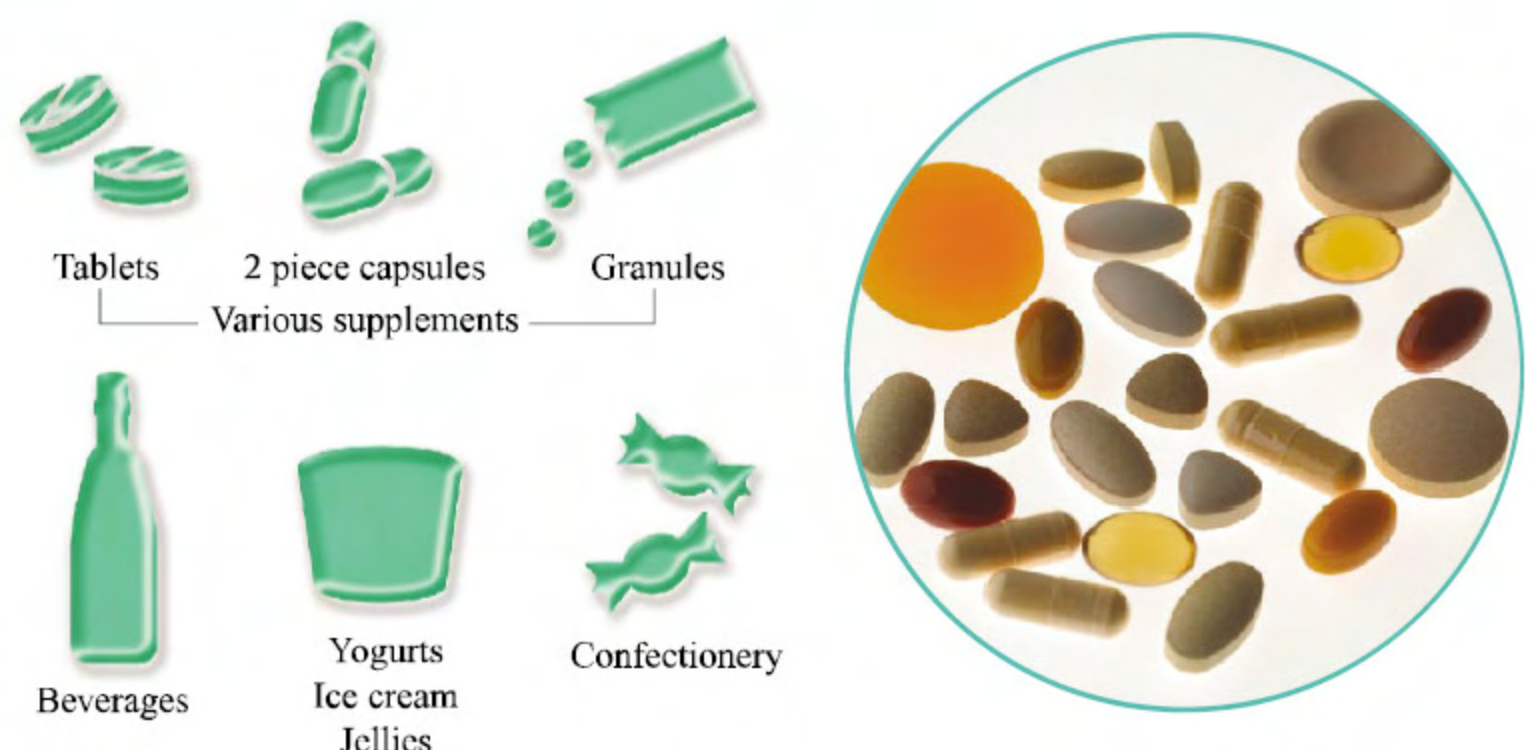
Stability

Excellent stability New formula provides increased stability of CoQ₁₀ (patent pending).

Flexibility

Flexibility

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



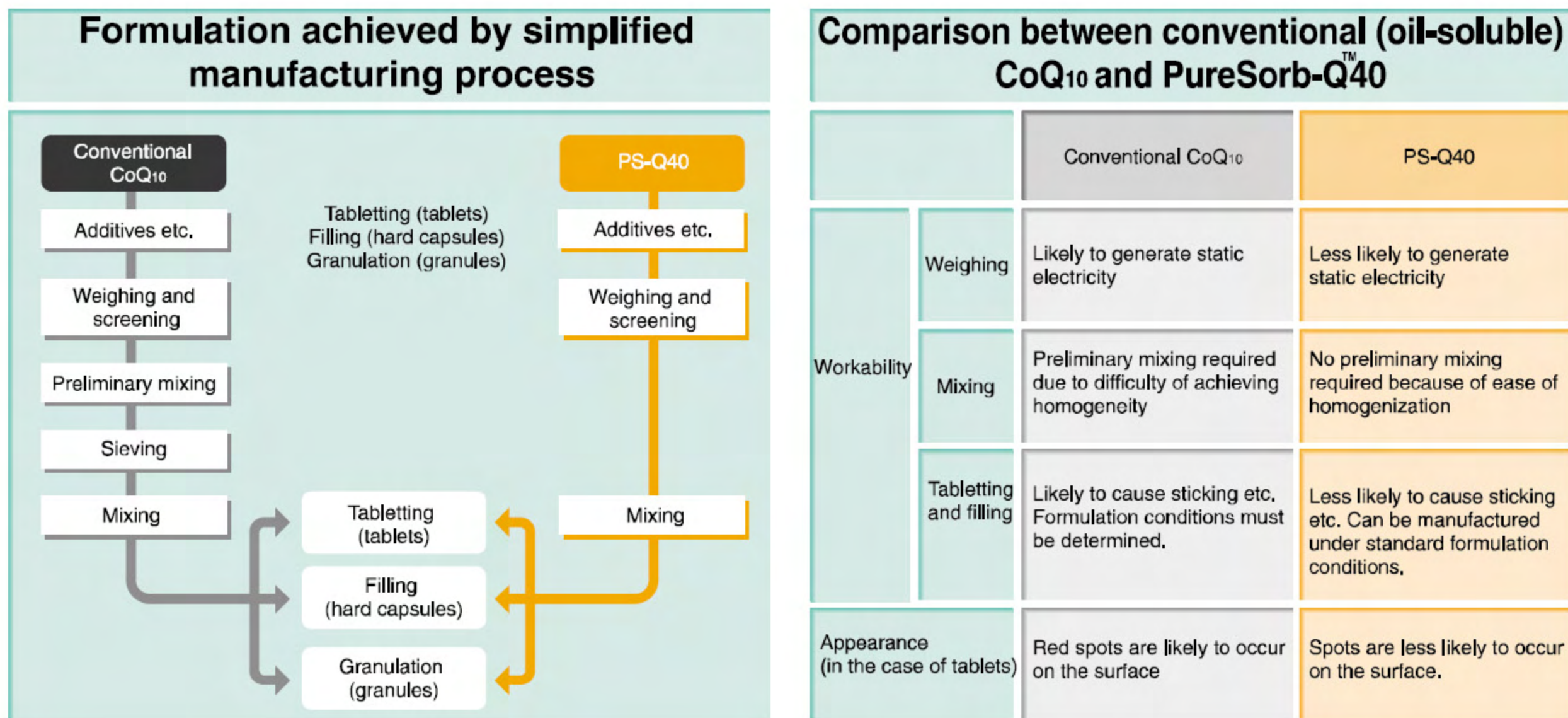
From Oil to Water

PureSorb-QTM40 powder enables dispersion in water even at a high concentration (40%).

Compatible with a wider variety of dosage forms compared to conventional oil-soluble CoQ₁₀.

Usability

Excellent processability Compared to conventional oil-soluble CoQ₁₀, the manufacturing process for PureSorb-QTM40 has been simplified.



Safety

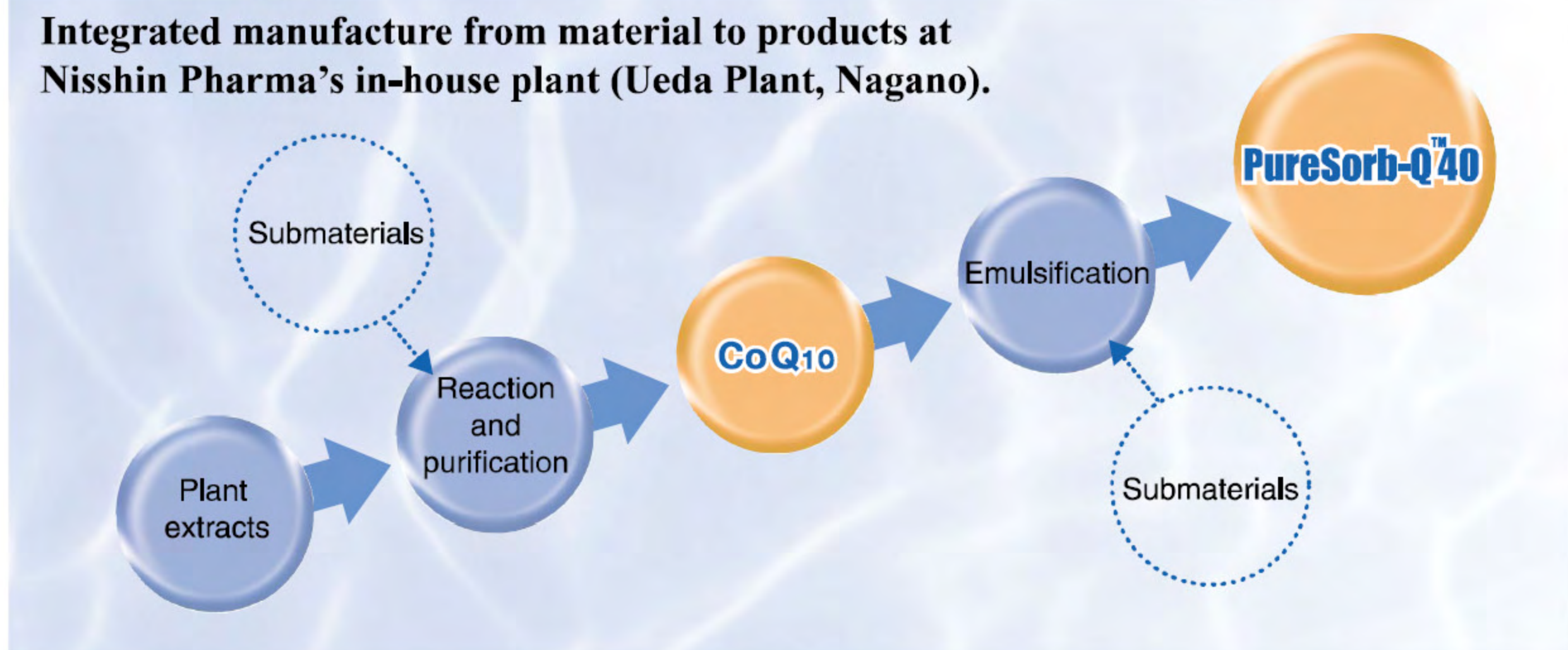
Excellent safety

- 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 PS-Q40 (400, 800 mg/kg/day as CoQ₁₀)
2. Repeat oral ingestion studies on humans for 4 weeks 2,250 mg/day of PS-Q40 (900 mg/day as CoQ₁₀)

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-QTM40 is manufactured at our in-house plant
under stringent quality control.

As a pioneer who has been engaged with CoQ₁₀
from its initial development,

Nisshin Pharma puts a wealth of accumulated expertise to work in all phases of operations,
including customer consultation,
product development, and OEM manufacturing 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 ₁₀) | Not less than 39.2% |
| Arsenic (as As ₂ O ₃) | Not more than 2ppm |
| Heavy metals (as Pb) | Not more than 20ppm |
| Total bacteria count | Not more than 1.0 X 10 ³ cfu/g |
| Coliforms | Negative |

■ **Shelf Life:** 2 years in unopened package

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

■ **Ingredients:** CoQ₁₀, Food starch-modified, Maltodextrin (tapioca), Glycerin

■ **Labeling method:** The amount of coenzyme Q₁₀ for a particular finished product is labeled with the coenzyme Q₁₀ content (40%) of the product in question.

■ **Patent pending:** PCT/JP2005/15071



1kg (aluminum bag)

Inquiries

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