



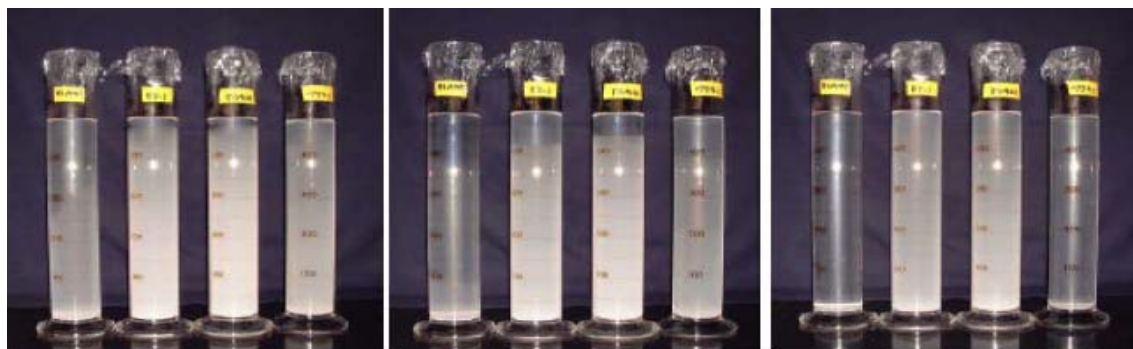
## Calcium Dispersion Stability of Sunrose® (CMC) SUNROSE FT Series

Sunrose® FT Series (CMC) offers **excellent, stable dispersion of milk proteins under acid condition, as required** for lactobacillus beverages. Listed below are some examples. Sunrose® FT Series also offers excellent calcium dispersing stabilization for calcium-fortified beverages, making it ideal for a various calcium-fortified or calcium-enriched milks and beverages.

### Testing method

- 1) Prepare a 0.2% dispersant solution using CMC (FT-1 or F04HC) in a 500ml beaker; repeat with pectin (Unipectine AYD-31 manufactured by UTFC).
- 2) Add 0.1% calcium carbonate (food additive manufactured by Wako Pure Chemical Industries) into each solution created in step 1, and mix by agitating for about 15 minutes at 8,500 to 9,500rpm using the T.K. Homo Disper (manufactured by PRIMIX).
- 3) Immediately transfer the solution to a graduated cylinder and visually confirm the stability of dispersion for five consecutive days (stored at room temperature).

### Evaluation results



Blank FT-1 F04HC Pectin  
Day 2

Blank FT-1 F04HC Pectin  
Day

Blank FT-1 F04HC Pectin  
Day 5

Sunrose FT Series shows **outstanding calcium dispersion stability** compared to pectin.

### For more details on our products, please contact:

Nippon Paper Industries Co.,Ltd. < <http://www.npchem.co.jp/form/index.html> >

#### Chemical Division

4-6, Kandasurugadai, Chiyoda-ku, Tokyo 101-0062, Japan

#### Sales Department No.2

Phone: +81-3-6665-5900 Facsimile: +81-3-6665-0360

#### Kansai Sales Department

MID Imabashi Building, 2-3-16, Imabashi, Chuo-ku, Osaka 541-0042, Japan

Phone: +81-6-6228-6300 Facsimile: +81-6-6228-6303