



Water-insoluble sodium carboxymethyl cellulose Sunrose® SLD Series – Heat resistance of fillings, shape keeping effect –

Sunrose® SLD water-insoluble sodium carboxymethyl cellulose is slightly carboxymethylated; this type of CMC combines properties of both powdered cellulose and CMC. Added to fillings, it can provide a number of useful properties such as heat resistance and shape keeping.

Experiment: adding to peanut butter

Mixture sample

Ingredient	Control	1% addition
Peanut butter	100.0%	99.0%
SLD-F1	-	1.0%
Total	100.0%	100.0%

Mixture sample

- 1) Mix ingredients and measure 20 grams onto a filter paper.
- 2) Bake at 80°C for 10 minutes in a convection oven.
- 3) Compare before baking and after baking.

Before baking



After baking



Effects of adding SLD

- Prevents change in texture even after baking (improved heat-resistance)
- Maintains original shape even after baking (improved shape-keeping properties)

For more details on our products, please contact:

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