



## Water-insoluble sodium carboxymethyl cellulose **Sunrose® SLD Series** – Emulsion stability –

When Sunrose® SLD Series is dispersed in water, the carboxymethylated portion will absorb water and swell, forming a three-dimensional structure.

### Emulsion stability of Sunrose® SLD Series

#### Method for emulsion preparation

An emulsion is prepared by adding each agent (0.5%) to a mixture of water and vegetable oil (50:50), which is then agitated for 5 minutes with a Homo Mixer at 8,000rpm.

Day 1



Day 7



Samples: 1) SLD Series, 2) commercial cellulose formula, 3) CMC, 4) powdered cellulose, 5) control, 6) SLD Series

In an emulsion using the SLD Series, minute drops of oil are dispersed and held within the three-dimensional mesh structure. By preventing the oil droplets from clustering, SLD Series ensures the emulsion remains stable.

For more details on our products, please contact:

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