

Advantages of using AEROSIL[®] products in oil based seasonings

Technical Information TI 1396



How can AEROSIL® products improve your marinades?

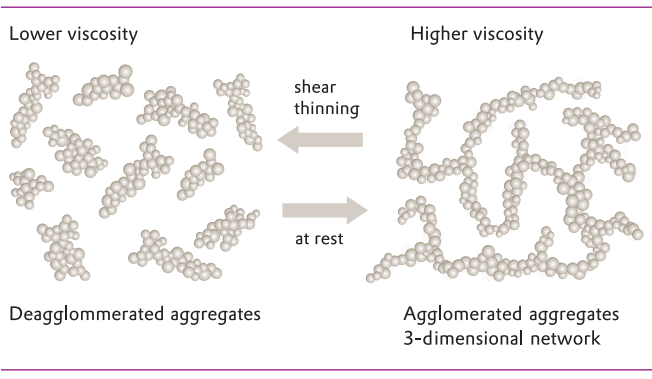
- AEROSIL® products help to prevent spices from settling and herbs from floating.
- AEROSIL® grades increase the viscosity which helps the marinade to cling to the food.

How does AEROSIL® work in marinades?

- Dispersion of AEROSIL® products in vegetable oil results in thickening and a thixotropic effect is obtained.
- On the one hand, spices and herbs remain suspended in the thickened oil due to a 3-dimensional network between the AEROSIL® particles that keeps the solid ingredients stabilized.
- On the other hand pouring the marinade is easy because of the thixotropic effect (viscosity decreases upon shear).

This thixotropic effect results in

- The stabilization of spices and herbs during transport and storage
- Easy handling by the customer



Excellent flow properties Stabilizing herbs and spices

How can you use AEROSIL® products in your marinades and which equipment is necessary to disperse AEROSIL® products efficiently?

High shear equipment is required, such as:

- Rotor-stator system



Photo courtesy of IKA Werk, Germany

- Dissolver



Recommended products for seasoning applications:

- AEROSIL® 200 F
- AEROSIL® 380 F

Advantages of using AEROSIL® products:

- Easy-to-use liquid condiment
- Keeps ingredients distributed evenly in the marinade
- Avoids floating of herbs

The result is a thicker, visually appealing and thus higher quality product

Storage of an oil/spice mixture



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