

Valida Fibrillated Cellulose: Working with Valida – Formulating Tips

Add enough Valida

Using Valida is like building a house, if there is not enough fiber present in the formulation, the network will not build in the entire formulation and phase separation will occur over time.

We highly recommend to work with an active fiber content of 0,4%. This will ensure a fiber network throughout the entire formulation and no phase separation will occur.

Pre-disperse Valida

It is of the highest importance that the fibers are well-dispersed. It is crucial that Valida is pre-dispersed in the water phase before adding other ingredients.

Valida Solid Content	Speed (rpm)	Batch Size (grams)	Dispersion time (min)	Visual check
8%	10.000	400	5	Well-dispersed Valida will appear as a homogeneous, hazy suspension. Visual lumps or aggregations are indications of insufficient dispersion.
	2000	400	30	
3%	2000	400	15 ~ 30	

Oil content at or below 10%

Even though Valida is hydrophilic Valida is capable of stabilizing oil in water without emulsifiers or surfactant so long as the oil content in the formulation is below 10%.

If the oil content is higher use an emulsifier or surfactant. Add surfactant after pre-dispersing Valida in the water phase.