

XANTHAN GUM DISSOLUTION



01 XANTHAN GUM

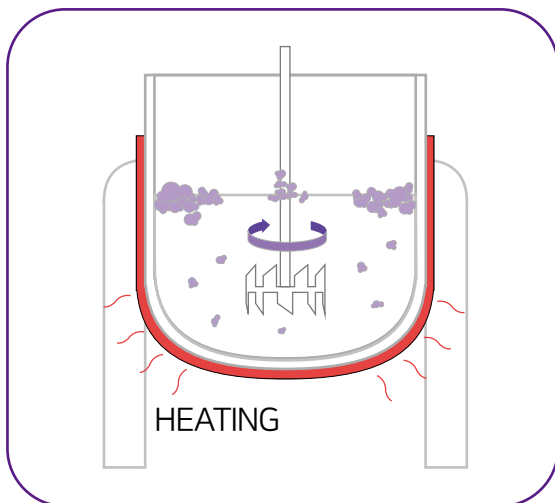
Xanthan Gum is a type of thickener that is added as a binder, surfactant, emulsifier or viscosity increasing agent in cosmetic manufacturing. In particular, xanthan gum is used as an emulsion stabilizer and emulsifier in many products such as creams, cleansers, and shampoos because of its high emulsion stability. In addition, xanthan gum does not lose viscosity even when heated above 100°C, is stable, and has excellent acid resistance, so it is widely used as a high-end cosmetic material.

Applicable industry

- *Skin care and hair care products.
- *Make-up products.
- *Bath products.
- *Various cosmetics and personal care such as toothpaste.

02 Problems with existing processes

When xanthan gum powder is added to a liquid, it is not easy to dissolve evenly and finely because it coagulates on the liquid and the surface. And in order to solve this clumping, a heating process was essential, and a longer stirring process was required. In addition, in some cases, a lot of scattering dust is generated when powder is put into the tank, which can pollute the working environment. To solve this problem, a powder transfer pump is sometimes used, but the transfer pump itself has poor dissolving ability, so many people are looking for a solution.



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