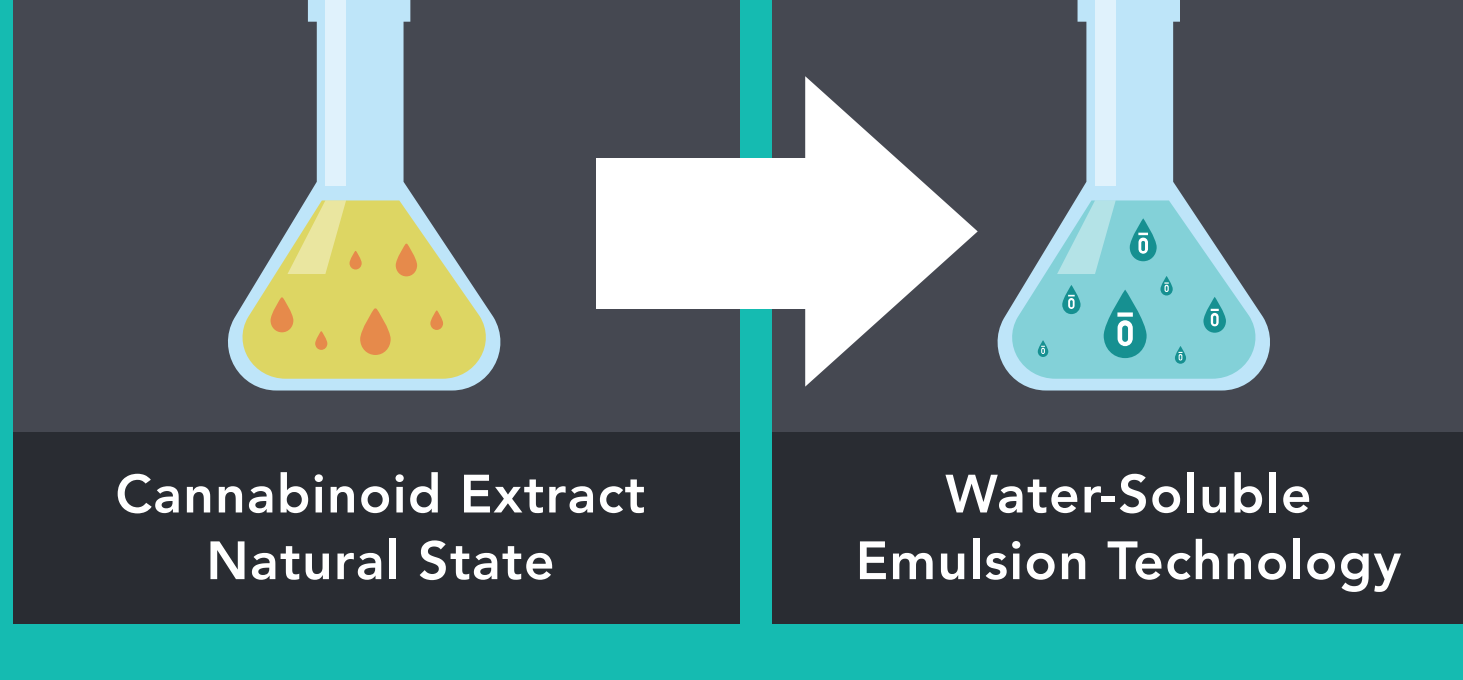


# EMULSION TECHNOLOGY & THE STABILITY FACTOR



Converting CBD into water-soluble forms allows for seamless integration into beverages, food items & topicals.

## ***“But what is an emulsion?”***

An emulsion is a mixture of at least two liquids that normally won't mix by reducing the particle size of the functional ingredient.

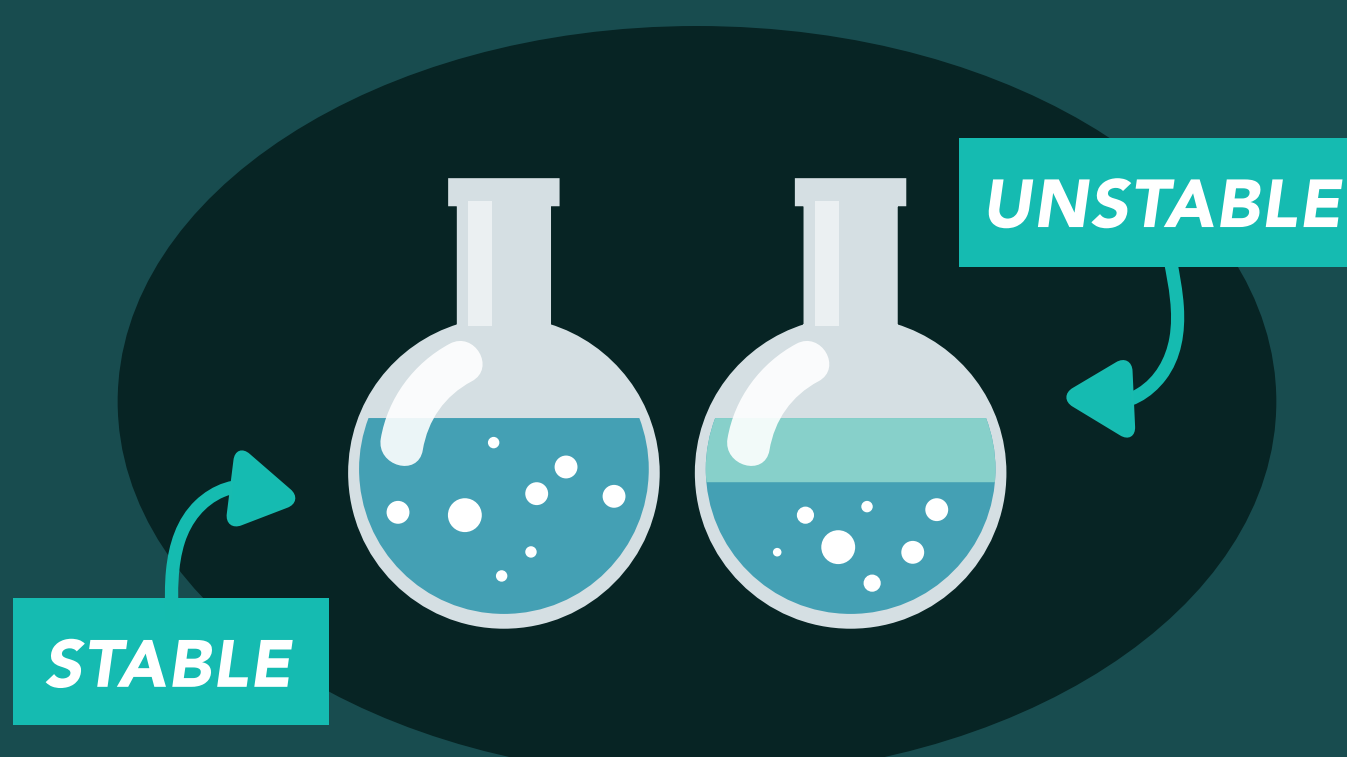
***Not all emulsions are created equal, and the main factor in determining shelf-life of an ingredient or product is...***

## **STABILITY.**

When it comes to stability, it's pretty straightforward:

**Stable emulsion = doesn't separate**

**Unstable emulsion = separates**



## ***Why does stability matter?***



**HOMOGENEITY**



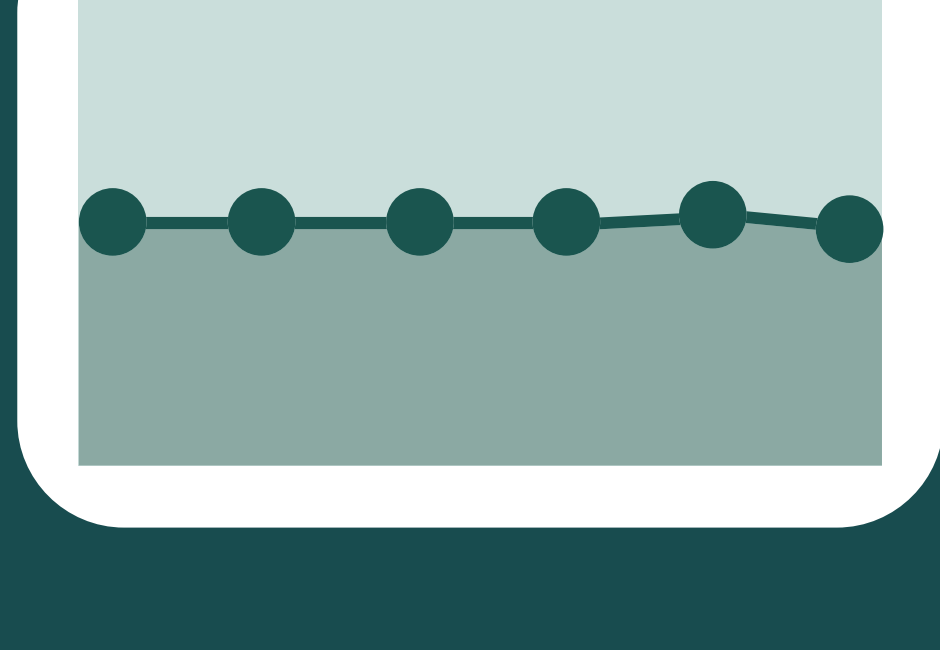
**CONSISTENT AND  
ACCURATE DOSING**



**SHELF LIFE**

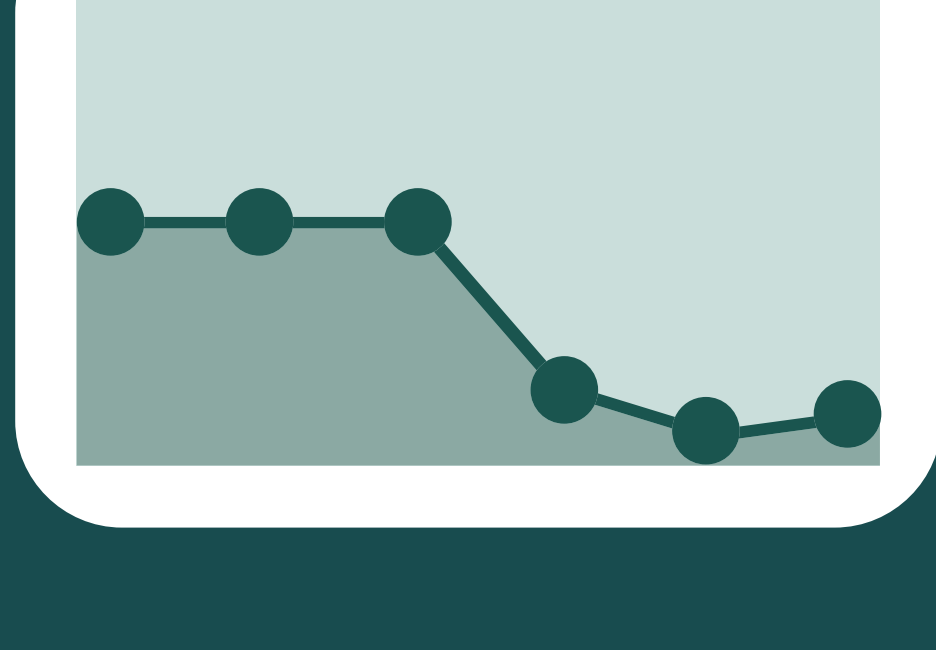
## **WHICH ONE DO YOU WANT IN YOUR FINISHED PRODUCT?**

### **SUCCESSFUL EMULSION**



- Consistent particle size
- 12+ months stability & homogeneity
- Achieving balanced density
- A+ Turbiscan ranking
- Accurate dosing throughout product!

### **UNSUCCESSFUL EMULSION**



- Separation, lack of Homogeneity:
  - Creaming
  - Ringing
  - Sedimentation
  - Flocculation
- D Turbiscan ranking

***If it were easy, everyone would do it! SōRSE emulsions offer 12+ months stability (and counting)!***



## **WHY STABILITY MATTERS IN THE FINAL PRODUCT**



Product developers must deliver on consumer demand for safe, great-tasting, and accurately dosed goods — from the first taste to the last.

## ***Qualities of Effective Emulsions***



**PRODUCT  
CONSISTENCY**



**HOMOGENEITY**



**ACCURATE DOSING**



**SHELF LIFE**



**QUALITY & SAFETY**



**VERIFIED LABEL  
CLAIMS**

***We don't expect you to develop a cannabis product all on your own. That takes a lot of science... And stability!***

A stable emulsion is the result of a successful formula combined with specific processing that ensures product consistency and safety. We prioritize testing our emulsion using analytic techniques/processes to demonstrate and verify stability. Our commitment to science is our superpower, and a ticket to peace of mind for our customers.



**SōRSE™**  
**TECHNOLOGY**

***Ready for your product to  
be powered by SōRSE?***

**CONTACT A SALES REP**