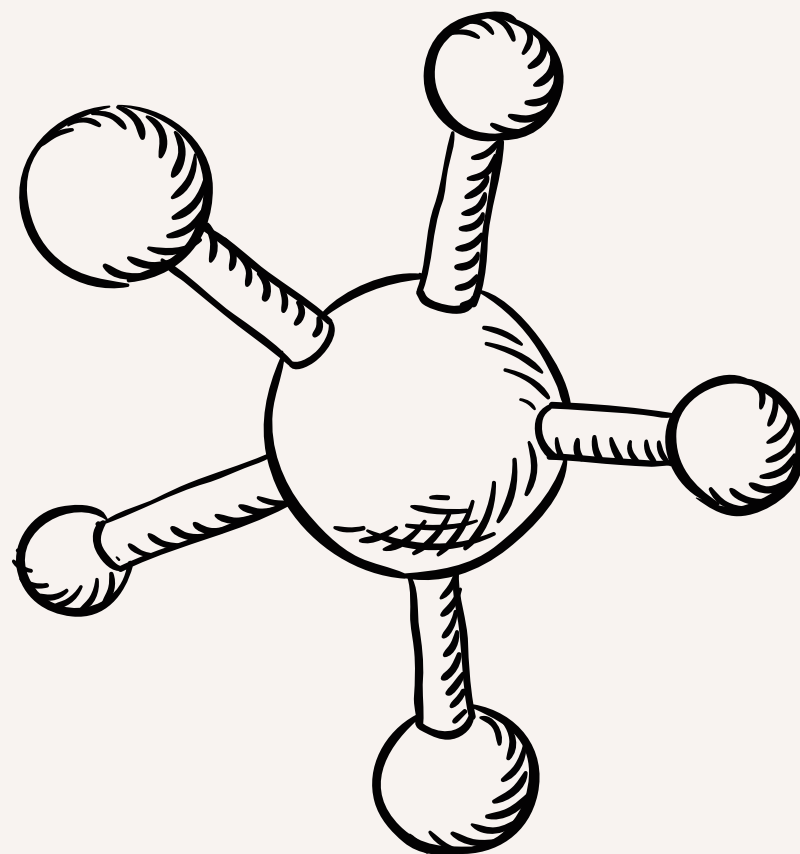


Is chemistry essential for functional fragrance perfumers?





Ziad El-Desoki
@nosedude

Art-Science Ratio:

Most of Functional Fragrance are
70% Science
30% Art



Ziad El-Desoki
@nosedude

Process Pattern

1. What is the product -base -.
2. What are the materials I will not use or use in very small amounts (to keep my fragrance stable).
3. What are the more stable substitutes for these materials.



Ziad El-Desoki
@nosedude

Process Pattern

4. What is the desired Scent -brief- .
5. Formulation & scent upgrade.
6. Stability and Compatibility test.
7. Reformulation & test again.



Ziad El-Desoki
@nosedude

The chemistry you need to know:

- What the Product base is majorly formed of (ex. Body lotions is Water, oil emulsifiers).
- Ester Hydrolysis
- Aldol Reaction & Aldol Condensation
- Acetal & Ketal Formation
- Schiff's Base & Enamines
- Alcohol Dehydration



Ziad El-Desoki
@nosedude

The chemistry you need to know:

- Oxidation, UV, pH.
- Chelators.
- Dyes, Opacifiers, Pearlizers.
- LogP & hydrophobicity.



Ziad El-Desoki
@nosedude

"Chemical reactions could take place between certain perfumery raw materials and active ingredients in a shampoo, such as an anti-dandruff agent, like **piroctone lamine**. Such reactions could lead to **discoloration** or off odors in the product, which may only be noticeable after a period of high-temperature storage."

Book: The Chemistry of Fragrance,
"From Perfumer to Consumer", 2nd edition.

NOSEDUDE - ZIAD ELDESOKI 2023

Join +1300 perfumers and get
FREE VALUABLE Perfumery
content.
signup! (link in bio)

I share special
episodes, formulas,
tips & tricks and give
free consultations.

