

SkinChakra/Green Cosmetic Science



Measure & adjust
the pH
like a
cosmetic chemist



Green Cosmetic
Science

What is this course about?

- Learn to measure and adjust the pH with the competence of a cosmetic chemist
- Learn how to avoid pH drift and destabilization
- Create stable, safe and effective products by adjusting the pH in the required range
- Implement pH measurement in your GMP documentation



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Science*



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Whom is this course for?

- Skincare formulators (chemist & non chemists)
- Skincare formulation students
- DIYers who want to make stable & safe products
- Anybody who creates water containing products



Course content

Part A: getting started

Module 1- The definition and history of pH

Module 2- The importance of pH in cosmetic formulations

Module 3- Different ways of pH measurement

Module 4- When to measure the pH

Part B: Practicals

Module 5- Working with a pH meter

Module 6- Purchasing and maintenance of the pH meter

Part C: Step-by-step guide

Module 7- How and when to measure the pH of the raw material and each product type?

- micellar water, toner, foam
- hydrogels, water based serum
- shampoo, shower gel and co

- emulsion, cream cleanser
- waterless bar: shampoo bar, conditioner bar
- suncare, decorative cosmetics, deodorants

Part D: Beyond pH measurement

Module 8-Implementing pH measurement in GMP and stability testing

Module 9-Buffering

- what is buffering
- when you need to buffer a product
- how to buffer a product
- how to avoid pH drift and prolong shelf-life

Part E: Graduation

Q&A, assignments, graduation