EXPERIMENTAL PERFUME CLUB

FUNDAMENTALS OF Perfume Creation Course

Workbook



FUNDAMENTALS OF PERFUME CREATION

WEEK ONE - SMELL Awaken your sense of smell and learn how to smell and describe perfumery ingredients.



WEEK TWO - ORGANIZE Learn how to organize and classify ingredients by family, volatility and type.



WEEK THREE - SET-UP Learn how to set up a perfume lab and the fundamentals of basic perfumery practice.



WEEK FOUR - CREATE Learn the art and logic of perfumery through structuring a formula and creating a brief.



WEEK FIVE - ACCORDS Learn to use accords and bases in your formula and make your own creative accords.



WEEK SIX - BLEND

Learn to create a fine fragrance formula from your brief and adapt your formula to other applications.



ABOUT THIS COURSE



I'm Emmanuelle Moeglin, perfumer and founder of Experimental Perfume Club and I'll be your host during the next 6 weeks, sharing with you the foundations of perfume creation.

Each week, you'll be getting a series of videos that will help you to understand the fundamentals of perfume creation and gain the knowledge to start blending at home. From the ingredients to the formula, you'll be taken on a step-by-step learning journey that will give you the necessary knowledge to get started in perfume creation - whether it is for a hobby or professional purpose.

You will receive all the materials you need to follow this course including a selection of the most common perfumery ingredients and laboratory equipment such as a pipettes, a scale, empty bottles, and solvent.

Perfumery requires a long training and dedication and you will need time to understand these foundations. Do not rush your learning and remember that knowing your ingredients is the foundation of any good practise! Be aware of the scents that surround you and get into the habit of describing what you are smelling every day.

Don't forget to have fun! Perfumery is one of the most wonderful crafts you can learn. It is fun, creative and will challenge your brain. We hope this course will help you to unlock your scented journey!



WHAT YOU GET IN THIS COURSE

WORKBOOK:

Print this workbook and follow along with the video courses each week. You will get the most out of this course if you complete the homework and challenges outlined each week. Make sure to keep notes and utilize this workbook to expand your learning.

VIDEOS:

Each week has a series of videos designed to enhance your knowledge in perfumery. These videos include fundamentals courses, demos, and olfactive explorations. Each week during the course you will have access to a new set of videos. Watch each video in order and follow along in this workbook. Go back to the videos any time to refresh your learning.

DOWNLOADABLE:

Some videos include downloadable files which you can download and print and home.

INGREDIENTS AND EQUIPMENT:

With this course you will receive a kit including perfumery ingredients diluted in alcohol as well the necessary laboratory equipment needed to start your perfume lab at home including scent strips, pipettes, bottles and a mini scale, perfect for beginning your journey into perfumery.

YOUR INSTRUCTORS



Emmanuelle is the founder of Experimental Perfume Club and is a classically trained nose with over 15 years of experience working in the fragrance industry. After finishing her studies at ISIPCA, she worked for esteemed global fragrance brands around the world before opening EPC and creating her own fragrance line as well as the EPC Academy.



Tom has been passionate about fragrance as long as he can remember. As a classically trained perfumer and former student of the Grasse Institute of Perfumery, he brings his love for perfumery to the EPC. After spending seven years as an entrepreneur in the candle industry, Tom is now based in Canada where he runs his own perfume business.



Week One smell



"Ingredients are the start of everything! Know your ingredients before blending them. This week, we'll spend time studying them. Smell them and describe them as often as possible, so much so that their smell will be imprinted in your memory forever."

WEEK ONE OUTLINE

This week you will learn how to smell and describe the scents of the world around you. We are so easily able to describe what we taste, see, touch and feel, so why can't we do the same with scent? You will uncover fifteen of the most commonly used perfumery materials in your first ingredient box and highlight the main descriptors for each one to help you memorize them.

TIPS FOR SMELLING

- 1) If you feel your nose is fatigued, don't smell coffee beans, smell your own skin
- 2 In da

In the learning phase, it is advised to smell ingredients diluted in alcohol to prevent becoming overwhelmed

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Smell ingredients from a scent strip instead of directly from the bottle

4

Smell the ingredients without looking at what they are to eliminate preconceived perceptions

5

In order to smell ingredients comparatively, hold your scent strips side by side in a fan shape

Get into the habit of describing an ingredient as you smell to help you remember them



OLFACTORY SESSION

Ingredients Box 1



Follow along with the Olfactory Exploration video and let's smell the first box of ingredients together. In this box you will find 15 of the most commonly used perfumery ingredients including natural ingredients and molecules. Remember to smell the ingredients without looking at what they are. This will help you to eliminate any preconcieved notions of what you are smelling! Also remember to write the number or name of the ingredient on the scent strip so you can remember what you have smelled and can smell them over time!

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Excercise

Describing a smell is what will make you memorize it. Try to discover smells without looking at what they are first and describe them (blind smelling). By doing this process time and time again, you'll find it much easier to recognise and name the ingredients you are learning

1

Smell the ingredients in Box 1 and highlight in your notes the three most important descriptors for you. Simplifying the description of these ingredients based on how you perceive them is a necessary step to remember them in future smelling sessions.

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TEST YOUR NOSE:

Ask a friend to test you by making you smell blind all the 15 ingredients of the first box. If you can recognize and name half of them, you are ready for week 2!



NOTES:

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WEEK TWO organize



"With around 2000 ingredients available, you can easily feel overwhelmed by the possibilities of perfumery. But fear not, there is a trick to avoid being so. Learn how ingredients are organized and categorized and unlock a durable understanding of perfume. Like an explorer, you are now on your way to mapping smells."

WEEK TWO OUTLINE

This week you will learn how categorize perfumery ingredients by family, volatility and type. Being able to classify ingredients is an essential step in order to memorize them. You will also learn about the different types of materials we use in perfumery and how they are available in their pure form. You will then follow us on an olfactory exploration of ingredient box 2 and compare and contrast these ingredients with the ones in box 1 for deeper understanding.



OLFACTORY SESSION Ingredients Box 2

Follow along w

Follow along with the Olfactory Exploration video and let's smell the second box of ingredients together. In this box you will find another 15 essential raw materials for any perfumer. Just like last time, remember to describe what you are smelling before you look at what the ingredient is! You should start to notice some commonalities with the first box in regards to olfactive families. Take note of this and think of the similarities and contrasts between them.

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1



Train your nose to describe and recognize all ingredients in box 2. Remember to continue training your nose and smell daily the ingredients of box 1. Description is key to the learning path!

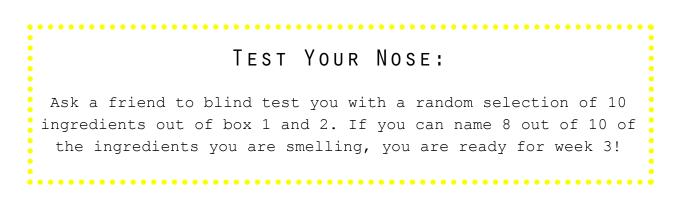
2 Smell all of the top notes together, all the mid together and all of the base together and compare their similarities and contrasts. Describe your findings here:

TOP NOTES:	
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MID NOTES:	
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BASE NOTES:	•
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3 Smell all the ingredients falling within the same olfactive family to compare them and use the chart below to list your ingredients by family.

FAMILY	INGREDIENTS
Citrus	
Green	
Fruity	
Floral	
Aromatic	
Spicy	
Aqueous	
Ambery	
Edible	
Woody	
Mossy/ <mark>Ch</mark> ypre	
Leathery	
Musky	







WEEK THREE SET-UP



"Now it is time to set up your own mini laboratory at home. No need to get expensive professional material when you start. A simple but precise scale with basic laboratory materials such as pipettes and a couple of glass recipients will do!"

WEEK THREE OUTLINE

This week you will learn how to set up and organize your own perfume lab at home using the materials provided in this course. You will also learn the basic safety precautions needed when handling perfume ingredients. From there you will learn how and why we use dilutions, which is one of the most important practical techniques for any perfumer.

LAB TIPS

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Keep your ingredients away from light and heat preferably in amber bottles. If you can keep them in a cool place with little temperature variation, it is preferable.

2

Essential oils are the most fragile so make sure you do not leave them in plain sunlight.

-) In the learning phase, and if you have pure ingredients at home, make sure you dilute them to avoid wasting expensive material.
- 4

Ingredients will be at their freshest the first six months to one year.

Dilutions under 1% can be tricky to measure due to very small quantities you'll need to measure. Create a dilution at 0.1% from an ingredient already diluted (ie: 10% or 1%)



Excercise

WATCH THE "HOW TO DO A DILUTION" TUTORIAL AND COMPLETE THE FOLLOWING EXERCISES.

Calculate the grams of raw material and grams of alcohol needed to make a 10 gram dilution of bergamot essential oil at the following dilution strengths.

DILUTION STRENGTH	GRAMS OF RAW MATERIAL	GRAMS OF ALCOHOL	TOTAL GRAMS
15%			10
10%			10
5%			10
1%			10
0.1%			10

2 Make a 10 gram dilution of Ambroxan in alcohol at 10%. REMINDER - ALL OTHER INGREDIENTS IN THE BOX ARE PREDILUTED IN ALCOHOL AND DO NOT NEED TO BE DILUTED FURTHER.

NOTES:

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WEEK FOUR CREATE



"Perfumery is an art with a logic. Crack the math to understand the basics of formulation techniques. A formula contains anything from a handful of ingredients up to a few dozens! Long formulas can be complex and born out of a long development work. Start with short formulas and strong creative ideas and build on it."

WEEK FOUR OUTLINE

This week you will learn about the art and logic of perfumery. You will begin to understand how to structure a perfumery formula as well as the creative process behind crafting a fragrance. You will then create your own fragrance brief and develop the practical knowledge to turn that brief into a tangible formula.

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1) Create a brief for your fragrance. (write, draw, describe your future fragrance here)

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Translate your brief into a simple formula using a total of 8-10 ingredients across top, mid and base, and determine the balance of your pyramid.

Formula Sheet

FRAGRANCE NAME:

INGREDIENTS	ТОР	MID	BASE

WATCH "HOW TO STRUCTURE YOUR FORMULA" VIDEO IF YOU WANT TO BLEND YOUR FORMULA





WEEK FIVE ACCORDS



"An accord is a short formula of a few ingredients that is a close or creative reconstitution of the smell you want to achieve. The idea for the creator is to reconstitute the smell without using the actual ingredients you are reconstituting. Accords can be used in a fragrance formula as starting points or building blocks. So how do we create the smell of rose without using rose?"

WEEK FIVE OUTLINE

This week you will discover common fragrance accords and how they are used in perfumery. Join us for an olfactive exploration of Ingredient Box 3 and discover the basic building blocks of a rose accord. Develop a deeper understanding of accords by formulating your own version of a rose accord using the structure provided and then use your imagination to craft your own creative accords.

NOTES:

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OLFACTORY SESSION

Ingredients Box 3



Follow along with the Olfactive Exploration video and let's smell the third box of ingredients together. In this box you will discover the essential ingredients to formulate a rose accord as well as some other unique materials. The materials you will smell in this box are more similar in olfactive profile than in the other boxes, so focus hard on their nuances and deeper character. When you open your nose to these facets, you will be surprised what you can smell!

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Excercise

Create your own rose accord using the following structure as a guide. Feel free to use any ingredients in box 1-3 to create your signature rose accord. When working on an accord, disregard the balance of the pyramid and focus on olfactive characteristics.

MATERIALS	OLFACTIVE ROLE	PERCENT IN FORMULA
Citronellol, Geraniol, Phenyl Ethyl Alcohol (PEA), Florol	Main character: Rose heart	60-90%
Aldehyde C9 (1%), Rose Oxide (1%), Damascone Beta (1% or 10%)	Impact and realism	3-15%
Eugenol (1%), Polysantol	Spicy and woody heart	1-5%
Cis-3-Hexenyl Acetate (1%), Cassis Base (1%), Aldehyde C14	Fruity heart	10-15%

ROSE ACCORD

INGREDIENTS	trial 1	trial 2	trial 3



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CREATIVE CHALLENGE:

Create your own creative accords using ingredients from boxes 1-3. Be as creative as you want and use your imagination - you can create an accord based on any smell or idea! Use anything between 3 and 8 ingredients to make your creative accord.

WATCH "FORMULATE YOUR OWN ACCORD" VIDEO FOR INSPIRATION

ACCORD NAME:

INGREDIENTS	trial 1	trial 2	trial 3

ACCORD NAME:

INGREDIENTS	trial 1	trial 2	trial 3





WEEK SIX blend



"Now it is time to put all of what you've learnt in your formula. Think before you blend. Be patient and precise. Write your formula precisely so that you can recreate again and again".

WEEK SIX OUTLINE

This week you will put your knowledge into practice and learn to develop a more complex formula from your brief. Once you have your first formula you will evaluate and rework your trial until you have a result you are happy with. You will also learn the fundamentals of converting your fragrance formula from diluted ingredients into pure, as well as adapting this pure formula to other applications including candles and body care.



Excercise

WATCH "THE DEVELOPMENT PHASE" TUTORIAL AND COMPLETE THE FOLLOWING EXERCISES.

 $\left(1 \right)$ Create a fragrance brief or use the brief you created in week 4

2 Select 8-15 ingredients that translate your brief and decide on your pyramid balance and proportion of ingredients in percentage.

FRAGRANCE NAME:

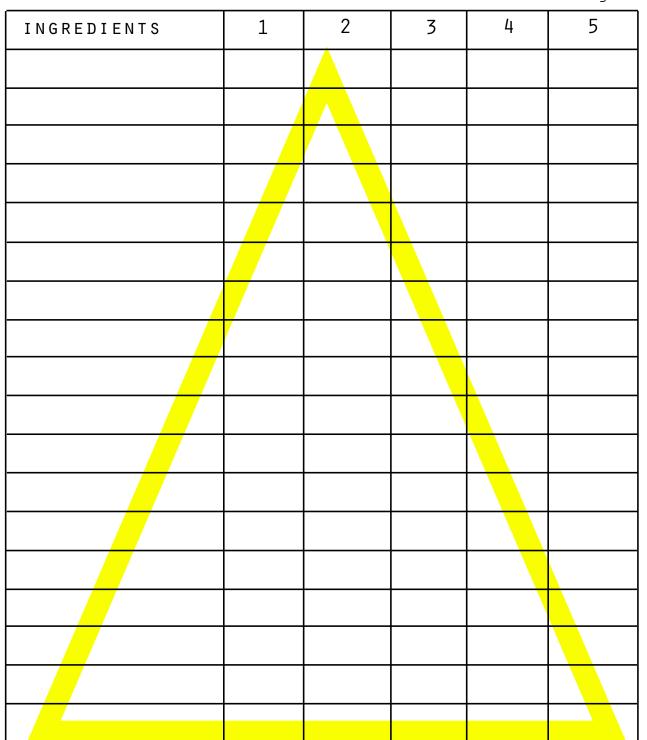
INGREDIENTS	ТОР	MID	BASE

EXCERCISE

3 Translate your formula from percentage into grams using the formula sheet below. Blend and smell your first trial and rework as many times as you need. Always evaluate your trials side by side to best see the impact of your changes.

100% = 10g 10% = 1g

FRAGRANCE NAME:





REWORK TIPS

When working on a fragrance, always smell the previous trial comparatively to make sure you are making the right progress.
Only change a part of the formula in your rework to understand the effect of the change.
Have patience: Creation of a fragrance can take months, going back and forth etc. Do not feel disheartened if your new trial is not as good as the previous one. Start from the previous one.
Label your trials using numbers such as 1, 2, 3, or if you are doing variants of your trial 1, it can be 1/1, 1/2, 1/3 etc.



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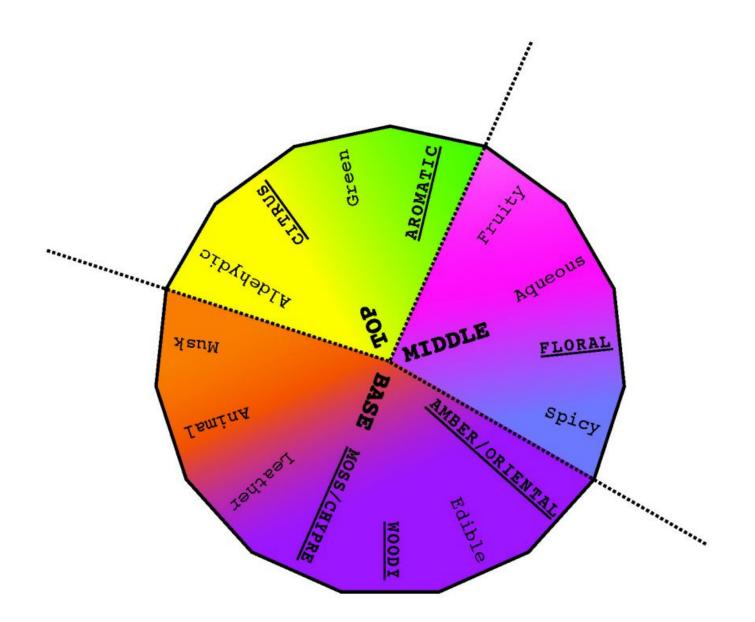
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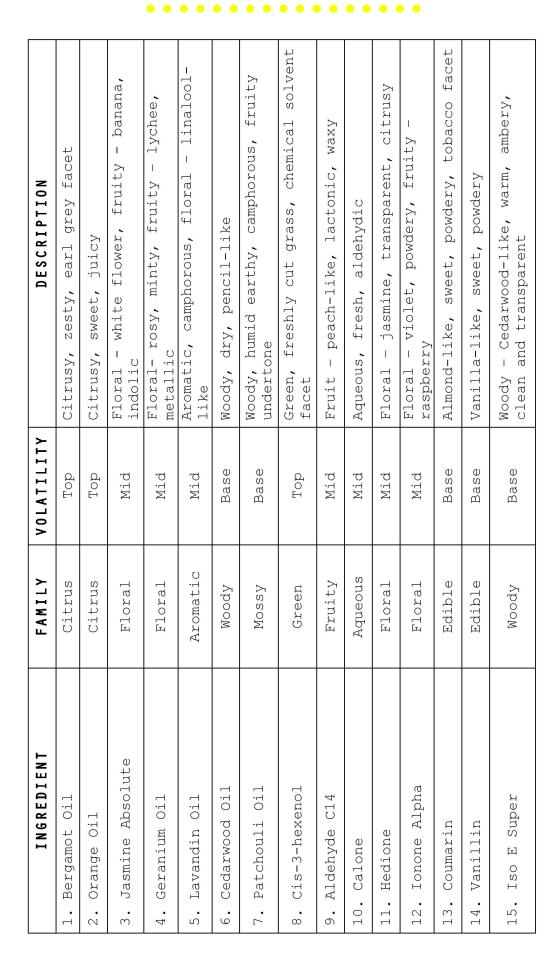
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FRAGRANCE WHEEL







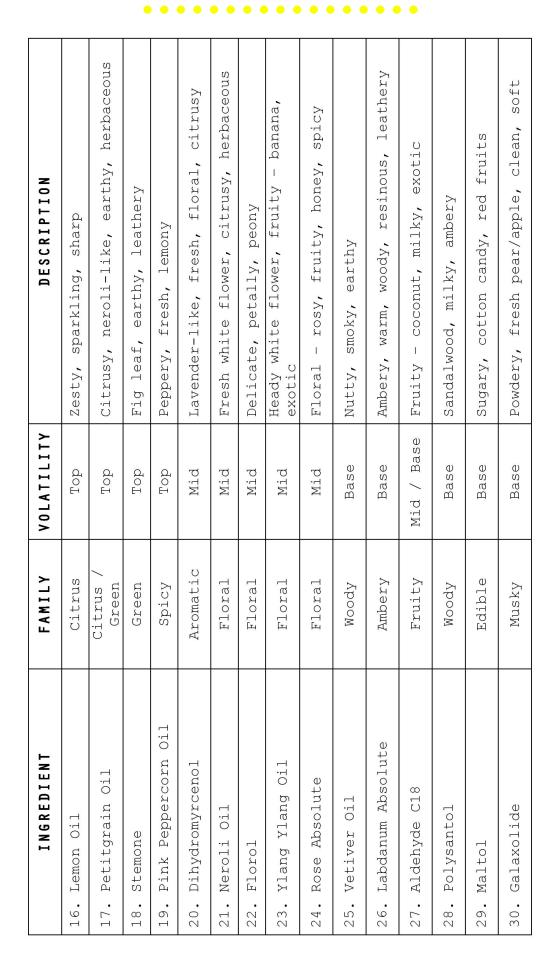


FUNDAMENTALS OF Perfume creation

EPC ACADEMY

INGREDIENTS BOX

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FUNDAMENTALS OF PERFUME CREATION EPC Academy

INGREDIENTS BOX 2



INGREDIENTS BOX 3

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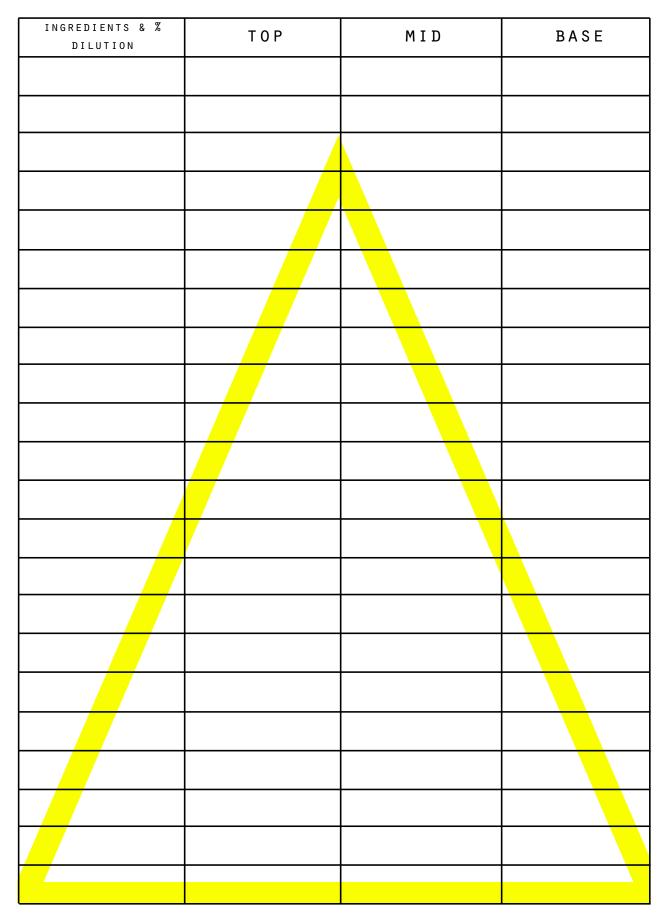
INGREDIENT	FAMILY	VOLATILITY	DESCRIPTION
31. Citronellol	Floral	Mid	Floral - rosy, fruity - lychee, citrusy
32. Geraniol	Floral	Mid	Floral - rosy, green - leafy, metallic
33. PEA	Floral	Mid	Floral - rosy, petally, honey-like
34. Aldehyde C9	Aldehydic	doT	Aldehydic, sharp, citrusy
35. Rose Oxide	Floral	Top	Floral - rosy, leafy, metallic
36. Damascone beta	Floral	Mid	Floral - rosy, woody, humid earthy
37. Eugenol	Spicy	Mid	Spicy - clove-like, warm, floral - carnation
38. Cis-3-hexenyl acetate	Green	Top	Green, freshly cut grass, fruity - apple/pear
39. Cassis Base	Green	Top	Green, fruity - blackcurrent, floral - rosy
40. Cashmeran	Woody	Base	Woody – pine-like, ambery, humid earthy, patchouli-like, musky, fruity – red fruits
41. Suederal	Leathery	Base	Leathery - suede-like, smoky, tobacco facet
42. Ambroxan	Ambery	Base	Ambery, warm, powdery, tobacco facet



Formula Sheet

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FRAGRANCE NAME:

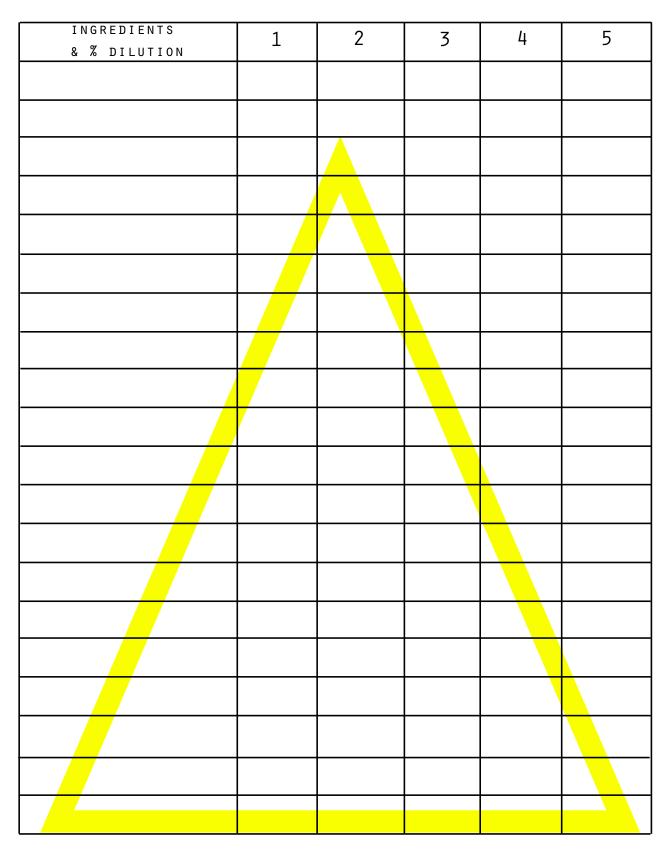




Formula Sheet (reworks)

100% = 10g 10% = 1g

FRAGRANCE NAME:





RECOMMENDED READING

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THE VOCABULARY OF SCENT

https://experimentalperfumeclub.com/fluent-smell-experimentalperfume-club-teaches-speak-scents/)

THE FRAGRANCE PYRAMID

https://experimentalperfumeclub.com/what-are-top-middle-and-basenotes-in-perfume/

FRAGRANCE FAMILIES

https://experimentalperfumeclub.com/fragrance-families/

CONSISTENCY OF INGREDIENTS

https://experimentalperfumeclub.com/how-to-extract-perfume-oil/

DISCOVER PERFUMERY INGREDIENTS

https://perfumesociety.org/discover-perfume/anintroduction/ingredients/

Thank you noses!

See you in Chapter 2.

EPC.

E X P E R I M E N T A L P E R F U M E C L U B



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