

EPC.

EXPERIMENTAL
PERFUME CLUB

FUNDAMENTALS OF
PERFUME CREATION COURSE

CHAPTER 2

Workbook





FUNDAMENTALS OF PERFUME CREATION



1

WEEK ONE - SMELL

Awaken your sense of smell.
Learn how to smell and describe
perfumery ingredients.

2

WEEK TWO - ORGANIZE

Learn how to organize and
categorize ingredients by family,
volatility and type.

3

WEEK THREE - SET-UP

Learn how to set up a perfume lab
and the fundamentals of basic
perfumery practice.

4

WEEK FOUR - CREATE

Learn the art and logic of
perfumery through structuring a
formula and creating a brief.

5

WEEK FIVE - ACCORDS

Learn to utilize accords and bases
in your formula and make your own
creative accords.

6

WEEK SIX - BLEND

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

7

WEEK SEVEN - FAMILIES

Learn what families and sub-
families are and how to use them
to navigate in perfumery.

8

WEEK SEVEN - FLORAL FAMILY

Deconstruct the floral family and
learn how to create white flower
accords.

9

WEEK SEVEN - COMPLEX FLORAL

Create and rework a complex floral
formula.



ABOUT THIS COURSE - CHAPTER 2



Welcome back noses! I am so excited that you have decided to join the second part of our Creation Course. This means that you are ready and dedicated to take the next step into perfumery! If you are here, I can only imagine that you've done the ground work and loved it.

Over the next 3 weeks, we will dive a deeper into perfume creation, deepen your knowledge and going into much more detail.

We will start by studying the different families of fragrances and then deepening your olfactory study in a more detailed manner. We'll also smell the ingredients by group and sub-division of families so that you can start understanding the similarities and nuances within a single family.

In the next 3 modules, we will explore the floral family and focus more specifically on white flowers. You have already learnt how to create a rose accord. Here, you will learn how to compose a jasmine, tuberose and ylang ylang accord. We will then put it all together to create a complex floral fragrance.

You are in for a treat! The floral family is the largest family of ingredients and perfumes and therefore is one of the most important fragrance families to know and learn about.

Before starting Chapter 2, I recommend you revise the Foundation Course and more importantly, make sure you know all the ingredients we have learnt so far to make the most out of this course!



WHAT YOU GET IN THIS COURSE



WORKBOOK:

Print this workbook and follow along with the weekly videos. 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 consists of a series of videos designed to enhance your knowledge in perfumery. These videos include: fundamentals courses, demos, and olfactive explorations. You will have access to a new set of videos each week throughout the course. Watch each video in order and follow along with this workbook. Go back to the videos at 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 selection of the perfumery ingredients diluted in alcohol which are necessary for the lessons to come. Please note that you'll need all your ingredients and equipment including the ingredients of boxes 1, 2 and 3 to follow this part of the course.

YOUR INSTRUCTOR



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.



WEEK SEVEN FRAGRANCE FAMILIES



"Families are the backbone of a perfumer's library! They allow us to organise fragrance and ingredients by category and help us find ingredients more easily. They also help us to memorize ingredients and fragrances. They are the key to navigating within perfumery."

WEEK SEVEN OUTLINE

This week we will go back to basics while taking a step further and deepening your olfactory study. We will learn about the different fragrance families and how they are used to organize and navigate perfumery. We will also reorganize your full ingredient library by family and sub-family to allow us to study the nuances and similarities between ingredients in the same family.

RECOMMENDATION BEFORE STARTING THIS WEEK



- 1 Before you start this week, we encourage you to go back and revise the Foundation Course.
- 2 Revise your ingredients. Know the different types of perfume ingredients available - naturals, synthetics and accords, and how they are obtained.
- 3 It will also be important that you know and remember all 42 ingredients that you have learned so far. This will allow us to build on a strong foundation. If you have forgotten them, or some of them, that's ok, just go back to your boxes and make sure you remember them and can recognize them.



EXERCISE: DECONSTRUCT A FRAGRANCE



- ① Do the family exercise with one or more commercial (or niche) fragrances that you own. Check on a fragrance database online to see where it is classified.
- ② To do this exercise, smell your fragrance and describe it first. The description part is essential because it will give you a clue of what the main family is.
- ③ Use the fragrance wheel in your workbook to decide which one of the 6 main families - the ones underlined - your fragrance falls under. Go a step further into the description to find the second most prominent characteristic - the sub-family - which can be anything including one or more of the main families.

MY FRAGRANCE 1:

OLFACTORY DESCRIPTION:

FAMILY:

SUB FAMILY:

MY FRAGRANCE 2:

OLFACTORY DESCRIPTION:

FAMILY:

SUB FAMILY:



EXERCISE: REORGANIZE YOUR FULL INGREDIENT LIBRARY BY FAMILY



Reorganize all your ingredients by family and disregard their numbers. Try to do it from memory and check the appendix for the full list of ingredients classified by family.

FAMILY	INGREDIENTS
Citrus	
Green	
Fruity	
Floral	
Aromatic	
Spicy	
Aqueous	
Ambery	
Edible	
Woody	
Mossy/Chypre	
Leathery	
Musky	

NOTES:



OLFACTORY SESSION



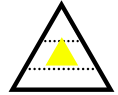
Ingredient Box 4



Follow along with the Olfactory Exploration video and let's smell the fourth box of ingredients together. In this box, you will find 10 ingredients belonging to the floral family. Remember to smell the ingredients without looking at the label. This will help eliminate any preconceived notions of what you are smelling. This time, we will introduce the idea of smelling ingredients within the same family and sub-family comparatively to learn their nuances and similarities.

Isoraldeine 95

EX:



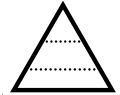
FIRST IMPRESSION: Floral - violet, iris, powdery, woody

OLFACTORY NOTE: Floral

COMMENTS: Isoraldeine 95 is part of the ionone group, which smell of violet.

43

.....



FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

44

.....



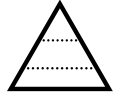
FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:



45

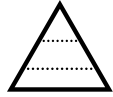


FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

46

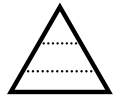


FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

47



FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

48



FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

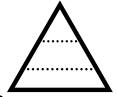
49



FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

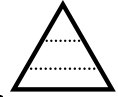


50

FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

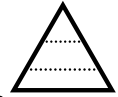


51

FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:



52

FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

NOTES :

Handwriting practice lines consisting of horizontal lines and three large yellow triangles pointing upwards.



EXCERCISE



- ① Smell all the ingredients individually and write down their similarities and differences by sub-family (i.e. floral - violet, floral - white flower, floral - lily of the valley)
- ② Do the same 'nuance' exercise with the rose ingredient box
- ③ Optional: Do the same 'nuance' exercise with all the ingredients in your library by family (i.e. citrus, floral, spicy, woody etc.)



TEST YOUR NOSE:

Ask a friend to test you by making you blind smell all 10 ingredients of Box 4. If you can recognize and name 9 out of 10, you are ready to move onto week 8!

NOTES:



WEEK EIGHT

DECONSTRUCTING THE FLORAL FAMILY



"White flowers are floral scents which have a heady, spicy and exotic note. Although these flowers are usually white, this is not necessarily always the case. White flower accords are some of the most important accords to add to your perfumery toolbox and this is what we will study this week."

WEEK EIGHT OUTLINE

This week, we will learn to create some of the most important accords used in perfumes - the white floral accords - including jasmine, tuberose and ylang ylang.

We will study the ingredients before you create your own version of jasmine. You will also have the option to create a tuberose and/or ylang ylang accord building on your jasmine accord.

NOTES:



OLFACTORY SESSION

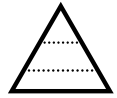


Ingredient Box 5



Follow along with the Olfactory Exploration video and let's smell the ingredients of box 5 together. In this box, you will find 12 more raw materials necessary for creating a jasmine accord. As always, remember to describe what you are smelling before you look at what the ingredient is. Take note of their role within a white flower accord and more specifically, within a jasmine accord.

53

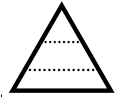


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OLFACTORY NOTE:

COMMENTS:

54

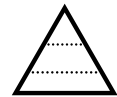


FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

55



FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:



56 

FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

57 

FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

58 

FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

59 

FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

60 

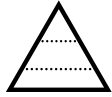
FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:



61

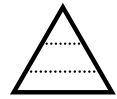


FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

62

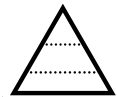


FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

63



FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:

64



FIRST IMPRESSION:

OLFACTORY NOTE:

COMMENTS:



EXERCISE



Create your own jasmine accord using the following structure as a guide. Use the ingredients in box 5 to create your jasmine accord. When working on an accord, disregard the balance of the pyramid and focus on the olfactive characteristics instead.

JASMINE ACCORD

MATERIALS (% IN ALCOHOL)	OLFACTIVE ROLE	PROPORTION / %
Benzyl Acetate, a-Hexyl Cinnamal, Cis-jasmone (1%), Methyl Anthranilate (1%)	Floral heart Jasmine	50%
Hedione, Linalool, Ethyl Linalool Hydroxycitronellal	Floral heart Transparent	35-40%
Indole (1%)	Animalic facets	1% (with diluted ingredients)
Aldehydes C8, C10 or C12 (1%), Linalyl acetate, Cis-3-hexenol (1%), Cis-3-Hexenyle benzoate, Cis-3-Hexenyle acetate	Accessory - Fresh green impact	2-5%
Aldehyde C14, Jasmolactone (1%), Decalactone	Accessory - Fruity heart	0.1-0.5%
Eugenol (1%), isoeugenol (1%)	Accessory - Spicy heart	1% (with diluted ingredients)

NOTES:



OPTIONAL EXERCISE



Use your jasmine accord and build on it to create a tuberose and/or a ylang ylang accord.

TUBEROSE ACCORD

MATERIALS (% IN ALCOHOL)	OLFACTIVE ROLE	% IN FORMULA
Jasmine ACCORD	Floral heart Jasmine	60%
Aurantiol*, Methyl anthranilate (1%)	Floral heart Orange Blossom	10%
Aldehyde C14, Aldehyde C18	Fruity heart	2-5%
Eugenol (1%), Isoeugenol	Spicy heart	10-15% (with diluted ingredients) or 1-2% if pure
Benzyl salicylate, Vanillin, Methyl benzoate	Tuberose, Solar & sweet facets	10%

YLANG YLANG ACCORD

MATERIALS (% IN ALCOHOL)	OLFACTIVE ROLE	% IN FORMULA
Jasmine accord (or BASE)	Floral heart Jasmine	60-70%
Geraniol, linalool	Floral heart Rose	10-20%
Eugenol (1%), Isoeugenol	Spicy heart	5-10%
Benzyl salicylate, Methyl salicylate, Vanillin, Methyl benzoate	Exotic and sweet facets	10%



WEEK NINE

CREATING A COMPLEX FLORAL FRAGRANCE



"The floral category is the largest category in perfumery, making it one of the most interesting to study. Florals can be just flowers - soliflore or bouquet - or contrasted with other families. Floral ingredients combine with almost everything, from fresh citrus ingredients to deep leathery ones."

WEEK NINE OUTLINE

This week we will cover the different types of floral fragrances and learn what to focus on when composing them. This means that the signature of the fragrance will revolve around floral notes and the other notes used in a composition should not overpower the floral signature.

SET-UP TIPS



- 1 Keep your ingredients away from light and heat, preferably in amber bottles. It would be good if you can keep them in a cool place with little temperature variation.
- 2 Essential oils are the most fragile so make sure you do not leave them exposed to direct sunlight.
- 3 In the learning phase and if you have pure ingredients at home, make sure you dilute them to avoid wasting expensive material.
- 4 Ingredients are freshest in the first six months to a year of dilution.
- 5 Dilutions at 1% can be tricky to measure due to the small quantities needed. Create a dilution at 0.1% from an ingredient already diluted (i.e. 10% or 1%)



EXERCISE



WATCH "CREATING A FLORAL FRAGRANCE: FORMULA" AND COMPLETE THE FOLLOWING STEPS TO CREATE YOUR FLORAL FORMULA

- 1 Write your brief



EXERCISE



- 2 Select 10-20 ingredients that translate your brief and decide on your pyramid balance and proportion of ingredients in percentages.
- 3 Decide on the overall structure of your formula from the top, middle and base.

FRAGRANCE NAME:

INGREDIENTS	TOP	MID	BASE



REWORK TIPS:

Your formula is now starting to get longer with more ingredients. You may want to take the new formulation technique we have learned and rework your formula by building blocks - 'Bases' and 'Hearts' (not to be confused with heart and base notes). This is a very effective method of reworking formulations without wasting ingredients.

FLORAL CORE:

INGREDIENTS	TRIAL 1	TRIAL 2	TRIAL 3

HEARTS / ACCESSORIES:

INGREDIENTS	TRIAL 1	TRIAL 2	TRIAL 3

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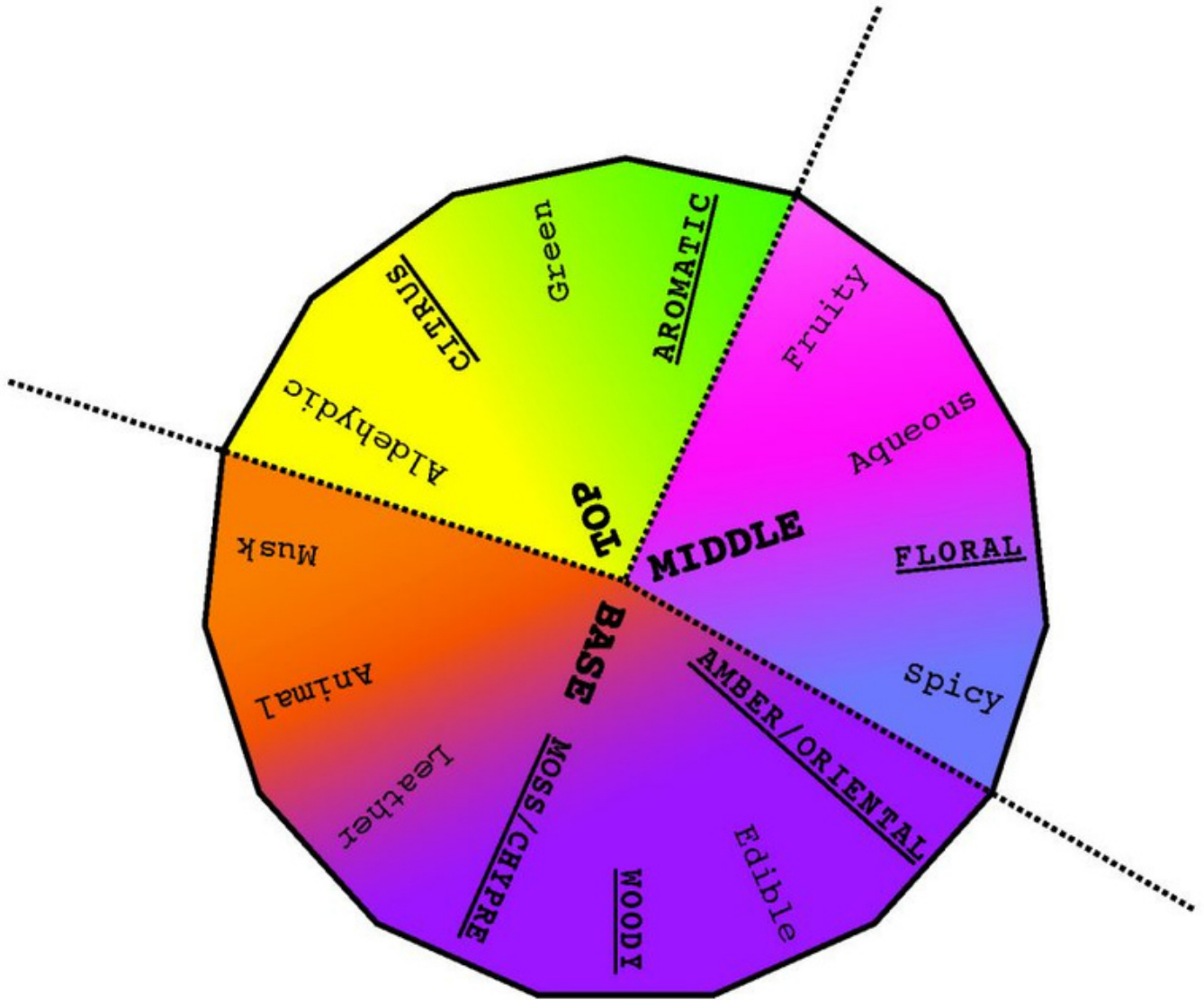
FUNDAMENTALS OF
PERFUME CREATION COURSE

Appendix





FRAGRANCE WHEEL





INGREDIENTS BOX 4

INGREDIENT	FAMILY	VOLATILITY	DESCRIPTION
43. Isoraldeine 95	Floral	Mid	Violet, iris, powdery, woody
44. Ionone beta	Floral	Mid	Violet, woody, sweet, fruity, raspberry-like
45. Parmantheme	Floral	Mid	Parma Violet, powdery, candy-like, woody
46. Methyl Ionone Alpha	Floral	Mid	Violet, fruity, powdery, woody, tea-like
47. Tuberose (Firmenich Base)	Floral	Mid	Heady, honey, white flower
48. Narcissus Absolute	Floral	Mid	Green, floral, tuberose-like, honey
49. Muguet Vitessence Base	Floral	Mid	Lily of the valley, green,
50. Hydroxycitronellal	Floral	Mid	Lily of the valley, fresh, green, transparent
51. Cyclamen aldehyde	Floral	Mid	Fresh, green, dewy, clean
52. Lilyflore	Floral	Mid	Fresh, lily of the valley, watery, soapy



INGREDIENTS BOX 5

INGREDIENT	FAMILY	VOLATILITY	DESCRIPTION
53. Jasmine Absolute	Floral	Mid	Headly white flower, fruity banana, animalic, spicy
54. Cis-3-hexenyl benzoate	Green	Mid	Leafy, herbaceous, woody
55. Linalyl acetate	Aromatic	Top	Fresh, green, pear, bergamot, floral
56. Hedione	Floral	Mid	Fresh, jasmine, magnolia, clean
57. Benzyl acetate	Floral	Mid	Banana, exotic fruity, jasmine
58. Cis-jasmone	Floral	Mid	Jasmine, spicy, cumin, celery
59. Linalool	Floral	Mid	Fresh, rose, citrus, woody, spicy coriander
60. Methyl anthranilate	Floral	Mid	Orange blossom, fruit
61. Jasmolactone	Floral Fruity	Mid	Jasmine, petally, peach, apricot, coconut
62. Isoeugenol	Spicy	Mid	Sweet, warm, clove, woody
63. Indole	Animalic	Base	Floral, faecal, naphthalene
64. Benzyl salicylate	Floral	Mid	Sweet - floral, spicy, balsamic, slightly phenolic



FULL INGREDIENT LIBRARY BY FAMILY (1/2)



FAMILY		INGREDIENT NAME	VOLATILITY	INGREDIENT TYPE
Aldehydic		Aldehyde C9	Top	Synthetic
Citrus		Bergamot Oil	Top	Natural
		Lemon Oil	Top	Natural
		Orange Oil	Top	Natural
Citrus / Green		Petitgrain Oil	Top	Natural
Green		Cassis Base	Top	Composition
		Cis-3-hexenol	Top	Synthetic
		Cis-3-hexenyl acetate	Top	Synthetic
		Cis-3-hexenyl benzoate	Top	Synthetic
		Stemone	Top	Synthetic
Aromatic		Dihydromyrcenol	Mid	Synthetic
		Linalyl acetate	Top	Synthetic
		Lavandin Oil	Mid	Natural
Fruity		Aldehyde C14	Mid	Synthetic
		Aldehyde C18	Mid / Base	Synthetic
Aqueous		Calone	Mid	Synthetic
Floral	Rose	Citronellol	Mid	Synthetic
		Damascone beta	Mid	Synthetic
		Geraniol	Mid	Synthetic
		Geranium Oil	Mid	Synthetic
		PEA	Mid	Synthetic
		Rose Absolute	Mid	Synthetic
		Rose Oxide	Mid	Synthetic
	Violet	Ionone alpha	Mid	Synthetic
		Ionone beta	Mid	Synthetic
		Isoraldeine 95	Mid	Synthetic
		Parmantheme	Mid	Composition
	Orange Blossom	Methyl anthranilate	Mid	Synthetic
		Methyl Ionone Alpha	Mid	Synthetic
		Neroli Oil	Mid	Natural



FULL INGREDIENT LIBRARY BY FAMILY (2/2)



FAMILY		INGREDIENT NAME	VOLATILITY	INGREDIENT TYPE
Floral	White Flower	Benzyl acetate	Mid	Synthetic
		Benzyl salicylate	Mid	Synthetic
		Cis-jasmone	Mid	Synthetic
		Jasmine Absolute	Mid	Natural
		Jasmolactone	Mid	Synthetic
		Narcissus Absolute	Mid	Natural
		Tuberose- Firmenich Base	Mid	Composition
		Ylang Ylang Oil	Mid	Natural
	Muguet / Lily-of-the- valley	Cyclamen aldehyde	Mid	Synthetic
		Hydroxycitronellal	Mid	Synthetic
		Lilyflore	Mid	Synthetic
		Muguet Vitessence Base	Mid	Composition
	Transparent	Florol	Mid	Synthetic
		Hedione	Mid	Synthetic
		Linalool	Mid	Synthetic
Spicy	Eugenol	Mid	Synthetic	
	Isoeugenol	Mid	Synthetic	
	Pink Peppercorn Oil	Mid	Natural	
Woody	Cashmeran	Base	Synthetic	
	Cedarwood Oil	Base	Natural	
	Iso E Super	Base	Synthetic	
	Polysantol	Base	Synthetic	
	Vetiver Oil	Base	Natural	
Ambery	Ambroxan	Base	Synthetic	
	Labdanum Absolute	Base	Natural	
Edible	Coumarin	Base	Synthetic	
	Maltol	Base	Synthetic	
	Vanillin	Base	Synthetic	
Leathery	Suederal	Base	Composition	
Mossy	Patchouli Oil	Base	Natural	
Musky	Galaxolide	Base	Synthetic	
Animalic	Indole	Base	Synthetic	



FORMULA SHEET



FRAGRANCE NAME:

INGREDIENTS	TOP	MID	BASE



FORMULA SHEET (REWORKS)



100% = 10g

10% = 1g

FRAGRANCE NAME:

INGREDIENTS	1	2	3	4	5



RECOMMENDED READING



THE VOCABULARY OF SCENT

<https://experimentalperfumeclub.com/fluent-smell-experimental-perfume-club-teaches-speak-scents/>

THE FRAGRANCE PYRAMID

<https://experimentalperfumeclub.com/what-are-top-middle-and-base-notes-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/an-introduction/ingredients/>

THE SCENT OF WHITE FLOWERS

<https://experimentalperfumeclub.com/the-scent-of-white-flowers/>

FRAGRANCE DATABASE



FRAGRANTICA

<https://www.fragrantica.com/>

OSMOZ

<http://www.osmoz.com/>

WIKIPARFUM

<https://www.wikiparfum.fr/>

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