

# BONBON MASTERCLASS

THE SCIENCE OF CRAFTING PERFECT CHOCOLATES

**PREVIEW ONLY** 



## COURSE AGENDA

Upon purchasing the course you will get access to the entire workbook. In this preview, we give you a sneak peek of theory, equipment and recipes.

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## THEORY GANACHE

### Ganache (Lesson 0.7)

While there are many possible fillings for a bonbon or tablet, the classic filling is a ganache. For the best flavour, texture, and shelf life, it is vital to formulate and produce your ganache fillings properly. Within these parameters, the possibility for creativity is nearly limitless.

### **General Guidelines**

Water	20%	maximum
Sugars	30%	minimum
Cocoa Butter	21%*	minimum
Milk Fat	15%	maximum
Cocoa Solids	15-16%	maximum
Total Fat	35%	maximum

<sup>\*</sup>for slab ganache; should be slightly higher if using milk or white chocolate

### Water

Sources of water include cream, milk, butter, and fruit pureés.

### Sugars

The total amount of sugar in a recipe will come from both the chocolate and any sugars that we add. A ratio of two parts water to three parts sugar (as in the table above) helps ensure that we have enough sugar to control the water. Of course, depending on which sugars we use within this 30%, there will be some variations in the final outcome and water activity.

When adapting recipes for a machine, such as a one-shot machine, where we may need to increase the amount of water to make the mixture more fluid, it is appropriate to increase both the water and the sugar proportionally. Overall, for all our recipes—especially those to be piped—this ratio works very well.

### Cocoa butter

Outside of any cocoa butter we may add, the type of chocolate we use determines the amount of cocoa butter in our recipe. We may need to supplement recipes that call for milk or white chocolate with additional cocoa butter to achieve the desired results.

### Dairy fat

When calculating the percentage of dairy fat in our recipes, remember that ingredients such as cream and butter contain water. We have included this water in our calculation of the total water percentage for the recipe; therefore, we will exclude it here and include only the fat. For example, if our recipe calls for 100g of butter and our butter is 80% fat, our recipe calculations will reflect that the butter contributes 20g of water and 80g of fat to our recipe.

The amount of pure butter or milk fat should not exceed 15% of the total weight of our recipe. At higher percentages, we risk the filling being far too soft.

### Cocoa Solids

To further refine the texture of our bonbon fillings, we can also consider adjusting the percentage of cocoa solids in our recipe. In a recipe calling for dark chocolate, we would not want the cocoa solids to exceed 15-16% otherwise our filling might be a little too thick.

### **Total Fat**

We need to consider the fats in our recipe not only individually, but in total as well. The basis of any ganache is an emulsion. To create a beautiful and stable emulsion, we need to ensure that the total fat in the recipe does not exceed 35%.

### Procedure for Making Ganache

### Classic Method

In the classic method of making ganache, the cream or other liquid and the sugars for the recipe are brought to a boil and poured over the solid chocolate. The chef begins to mix these ingredients, creating an emulsion. At the very end, additional fat such as butter or cocoa butter might be incorporated. For best results, the ganache would be pre-crystallised before being cast in a frame and allowed to set.

### Cold Method

For the recipes in this course, we will be using the cold method. In this method, all of our liquid ingredients (cream, infusions, fruit purées) will have been pasteurised before starting. To begin, we'll bring our liquid ingredients to just 30°C and then incorporate the sugars. The warm mixture will be incorporated into melted, not solid, chocolate. Using a hand blender, we'll ensure a good, stable emulsion, then incorporate any additional fats. We'll pre-crystallise the ganache, cast it, and allow it to set.

### **EQUIPMENT LIST**

Most of the tools our chefs use in the videos are standard equipment in any kitchen. However, there are a few specialty items that you may wish to seek out before beginning to recreate the recipes. It is not necessary to have each of the tools listed here, and you may adapt your technique to the tools you have, but you will find that these items make the job of perfecting the recipes much easier.

### Flavours of Andalucia

4 polycarbonate moulds with 3 cm diameter semi-spheres,
2.5 cm silicone semi-sphere moulds



Dominican Republic & Rare Vanilla Chocolate Ganache 1 frame measuring 36 cm x 18 cm and 1 cm deep



Honey-Rosemary-Pine Nuts
4 polycarbonate moulds, each with 48
need size cube-shaped cavities



Almond and Sobacha Praliné
4 polycarbonate moulds, each with 49
size oval-shaped cavities



Almond Marzipan-Lemon and Vanilla Jelly 1 frame measuring 36cm x 18cm and 1.5 cm deep 1 frame measuring 36cm x 18cm and 0.5 cm deep Custom stamp

### Standard Kitchen Equipment

- ✓ Parchment Paper
- ✓ Chopping boards
- ✓ Cling film
- ✓ Convection oven
- ✓ Food processor
- ✓ Freezer (-20°C) or Blast freezer
- ✓ Gloves
- ✓ Hand blender
- ✓ Hotel pans, metal, half and full size
- ✓ Induction burner
- ✓ Knives
- ✓ Micro scale
- ✓ Microwave
- ✓ Offset palette knife
- ✓ Silpats

- ✓ Spatulas
- ✓ Sieves
- ✓ Spoons
- ✓ Stand mixer
- ✓ Strainers
- ✓ Trays 60x40cm
- ✓ Whisks
- ✓ Piping bags
- ✓ Piping tips
- ✓ Probe thermometer
- ✓ Rasp-style zester
- ✓ Refrigerator
- ✓ Rolling pin
- ✓ Scale
- ✓ Scissors

### Specific to This Course, Required

✓ Flat plaque, 60 x 40 cm, Methacrylate or similar

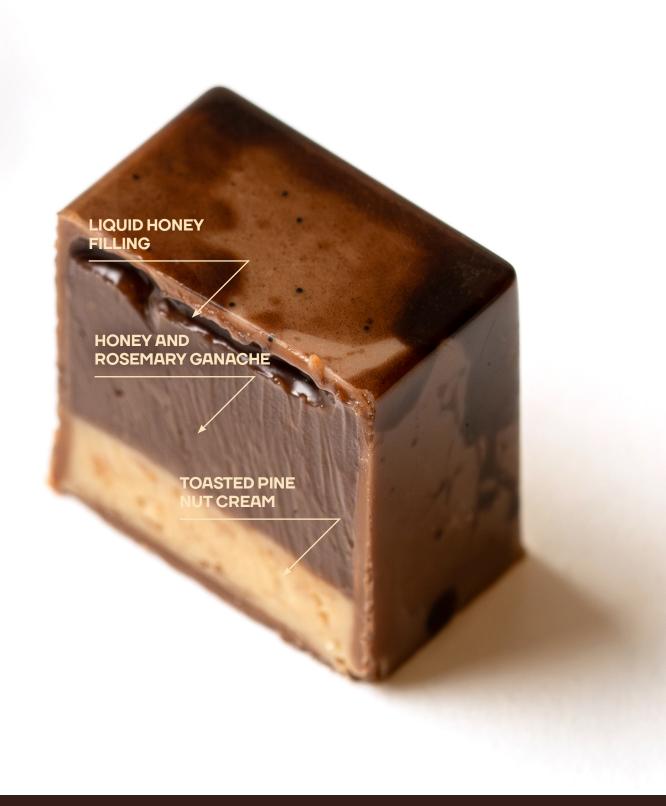
### **Optional**

- ✓ Air gun
- ✓ Chocolate grinder (melanger)
- Chocolate enrobing belt for tempering machines
- ✓ Chocolate fridge (16°C)
- ✓ Chocolate machines for tempering
- ✓ Guitar cutter
- ✓ Guitar sheets
- ✓ Infrared thermometer
- √ pH meter \*
- ✓ Refractometer \*
- ✓ Spray gun and compressor



<sup>\*</sup>Our chefs strongly recommend these tools

# ARCHITECTURE HONEY-ROSEMARY-PINE NUTS





Get a taste of our "Bonbon Masterclass" with this preview featuring the "Honey-Rosemary-Pine Nuts" recipe.

## HONEY-ROSEMARY-PINE NUTS

**Yield:** Approximately 192 bonbons

**Equipment:** 4 polycarbonate moulds, each with 48

cube-shaped cavities measuring 2 cm x 2 cm



### Component 1: Liquid Honey Filling

Yield: 200 a

### Method

- Before you begin, warm the honey gently to make it easier to mix with the alucose syrup.
- 2. Mix the two ingredients and transfer to a piping bag
- Check the temperature of the mixture before using it. It should be no warmer than 30°C.
- Pipe a very small amount of the filling into each shell and set aside.

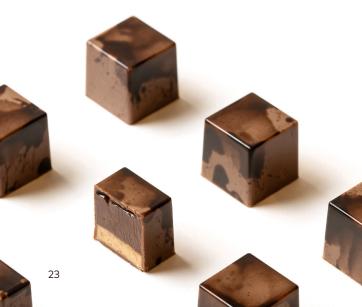
### Component 2: Rosemary Infusion

Ingredient	Qty (g)	Qty (%)
Fresh rosemary	40 g	10.26%
Water	350 g	89.74%

Yield: 340 g

### Method

- 1. Chop the rosemary.
- 2. Heat the water to 90°C, then add the chopped rosemary.
- 3. Remove from the heat, cover, and allow to infuse for 10-15
- 4. Strain the infusion and weigh out the amount needed for the ganache. Reserve the rest for another use.





### Component 3: Honey and Rosemary Ganache

Ingredient	Qty (g)	Qty (%)	Me	thod
Rosemary Infusion (above)	334 g	17.55%	1.	Before you begin, melt the butter, and clarified butter
Glucose syrup DE60	100 g	5.25%	2.	Mix a small amount of the syrup, then add it to the he
Floral honey	150 g	7.88%	3.	Pour the honey mixture int
Salt	1 g	0.05%	4.	Mix in the salt and dextros
Suit	1 9	0.0376	5.	Combine the milk chocolat
Dextrose	68 g	3.57%	6.	Incorporate the honey mix small amount at a time.
Callebaut Velvet Ecuador Milk	910 g	47.82%	7.	Whisk in the cocoa butter,
Chocolate 39%			8.	Use an immersion blender
Callebaut Cocoa Mass	65 g	3.42%	9.	Pour the ganache into a sh gently with a spatula until
Callebaut Cocoa Butter	20 g	1.05%	10.	Transfer the ganache to a
Clarified butter	255 g	13.40%	11	shell, filling the shells abou
			11.	Allow to crystallise for abo

Yield: 1903 g

- e milk chocolate, cocoa mass, cocoa er separately.
- e warm infusion with the glucose honey.
- nto the remaining infusion.
- ate and cocoa mass.
- xture into the combined chocolates a
- r, then the clarified butter.
- r to finish emulsifying the ganache.
- shallow metal container and stir il the mixture reaches 28-29°C.
- a piping bag and pipe some into each out 3/4 of the way full.
- out 12 hours before proceeding to the next step.



### **CALLEBAUT VELVET ECUADOR MILK CHOCOLATE 39%**

Sweet with velvety caramel and hazelnut notes.

View product



## TROUBLESHOOTING

PROBLEM	REASON	SOLUTION
Lemon and vanilla jelly is too soft to cut with the guitar.	You didn't reduce the jelly sufficiently.	Reduce until reaching 75-77°Brix
The marzipan is oily.	Excessive mixing or kneading of the almond powder results in a rise in temperature and the release of oil from the nut.	Grind the almond powder together with the powdered sugar just enough to reduce the granulometry; do not process the marzipan excessively.
Ganache separated once crystallised.	Incorrect emulsion of the ganache or incorrect pre-crystallisation.	Check the ganache process and precrystallise correctly.



# OUR CHEF'S PRODUCT **RECOMMENDATIONS**



### CHOCOLATE

### **Callebaut Selection**



Callebaut Power 41 Milk Chocolate 41%

View product



Callebaut Velvet White Chocolate 32%

View product



Callebaut Rustic Fleur de Cao Dark Chocolate 70%

Callebaut Signature Collection - Blend of Origins

View product

### Callebaut Signature Collection - Single Origin



Callebaut Velvet Ecuador

Milk Chocolate 39%

View product

GALISAUT

GALISA

Callebaut Zestina Dominician Republic Dark Chocolate 70%

View product

Callebaut 70-30-38 Extra Bitter Dark Chocolate 70%

View product

### **COCOA PRODUCTS**



Callebaut Cocoa Butter

View product



Callebaut Cocoa Mass

View product

### **COCOA POWDERS**



Callebaut Botanical Experience Extra Brute Cocoa Powder

View product



Callebaut Botanical Experience Noir Intense Cocoa Powder

View product

### INCLUSIONS



Callebaut Pailleté Feuilletine

View product





# THEARCHITECTURE OF ENTREMETS

LAYERS, TECHNIQUES AND INGREDIENTS

BY RAMON MORATÓ

In this class you will learn

- The science behind each layer and the impact of different ingredients
- Decoration techniques to creatively finish your cakes with style and precision
- To combine flavour profiles and textures so you can personalize and create yourself

If you want to become the master of taste, this is where you begin.



