



Belgian Christmas Ale

Beer recipe

RECIPE FOR 100L



ABV 8.5%

Color 75 EBC Bitterness 28 IBU

Description

Belgian Christmas Ale with a rich creamy head, slightly spicy flavor, and a pleasant aroma.

Dark Candy Sugar pleasant aroma.

Service:

Glass: Tall Glass Temperature: 4-8 °C

BREWER'S TIPS

For refermentation in the bottle, use the same yeast SafAle T-58.

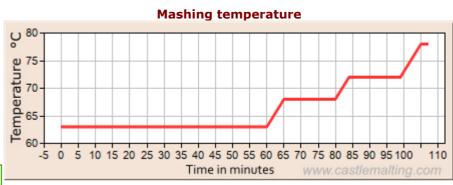
This recipe is provided by Castle Malting®. Please note that this recipe is just a guideline. Some modification might need to be done to meet different technologies, efficiencies and ingredients yield as grain dry extract and hop alpha acid percentage.

For further information & service please contact: info@castlemalting.com

Brewing is an experiment! Brew your own beer! Send us your recipe, and we'll be pleased to publish it on our website

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	MALT				
Château Pilsen 2RS		56% / 16.4 kg			
Château Munich		20% / 5.8 kg			
Château Crystal®		12% / 3.5 kg			
Château Cafe Light®		12% / 3.5 kg			
	HOPS				
Admiral (14.5% aa)		22.4 IBU / 55 g			
Brewers Gold (6.0% aa)		2.8 IBU / 80 g			
Perle (8.0% aa)		2.8 IBU / 60 g			
	YEAST				
SafAle T-58		80 g			
-0.5	SUGAR				

Dark Candy Sugar 500 g



Step 1: Mashing

Mash-in and follow the profile below:

pH 5.3 Mix Ratio 2.5 L/kg

Mash-in at 63°C

Rest for 60min at 63°C

Rise to 68°C at 1°C/min

Rest for 15min at 68°C

Rise to 72°C at 1°C/min

Rest for 15min at 72°C and do the Iodine Test

Rise to 78°C at 1°C/min

Rest for 2min at 78°C to mash out

Once the mash is done, filter and sparge with water at 78°C

Step 2: Boiling

Boil for 90min.

Hop addition 1: After 30min add Admiral.

Hop addition 2: After 80min add Brewers Gold and Perle. Sugar addition: After 75min add Dark Candy Sugar.

Whirlpool to remove the trub

Total evap	Batch size	OG	Efficiency
9.0%	100L	18.5 ^o P	80%

Step 3: Fermentation and Maturation Cool down the wort to 16°C and pitch the yeast. Ferment at 16°C for 2 days then rise to 22°C. Once the fermentation is done (FG reached and off-flavors removed – about 7 days), drop the temperature to 8°C and rest for 1 day, and then harvest the yeast. Drop the temperature to 2°C and rest for 7 days.

Attenuation 80% FG 3.60°P

Step 4: Cold Aging and Packaging

Cold age the beer at -1°C for 5 days, remove the residual yeast, and carbonate until **2.7 volumes of CO2**. The beer is ready to package and drink. Enjoy!

*For refermentation in the bottle, add brewing sugar and SafAle F-2.

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