

Dubbel Luciano

- Gravity **16.4 BLG**
- ABV **6.9 %**
- IBU **15**
- SRM **23.3**
- Style **Belgian Dubbel**

Batch size

- Expected quantity of finished beer **46 liter(s)**
- Trub loss **5 %**
- Size with trub loss **48.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **58.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.1 liter(s) / kg**
- Mash size **28.4 liter(s)**
- Total mash volume **41.9 liter(s)**

Steps

- Temp **55 C**, Time **5 min**
- Temp **65 C**, Time **70 min**
- Temp **72 C**, Time **20 min**

Mash step by step

- Heat up **28.4 liter(s)** of strike water to **63.3C**
- Add grains
- Keep mash **5 min** at **55C**
- Keep mash **70 min** at **65C**
- Keep mash **20 min** at **72C**
- Sparge using **43.3 liter(s)** of **76C** water or to achieve **58.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	7.5 kg (51.7%)	81 %	4
Grain	Strzegom Monachijski typ I	3 kg (20.7%)	79 %	16
Grain	Caramel/Crystal Malt - 40L	1 kg (6.9%)	74 %	90
Grain	Biscuit Malt	1 kg (6.9%)	79 %	50
Grain	Special B Castle	1 kg (6.9%)	70 %	290
Sugar	Cukier kandyzowany	1 kg (6.9%)	100 %	400

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	60 min	8 %
Boil	East Kent Goldings	50 g	15 min	4.5 %
Boil	East Kent Goldings	50 g	5 min	5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale BE-134	Ale	Dry	22.5 g	Fermentis

Notes

- Brzeczka 16.06
Mech irlandzki 15min
Cukier 15min
Rozlew 13.07
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