

Warsztaty KRAKÓW e11 - 7.11.2021

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **42**
- SRM **3.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **14 liter(s)**
- Trub loss **5 %**
- Size with trub loss **14.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **18 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **8.6 liter(s)**
- Total mash volume **11.4 liter(s)**

Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **77 C**, Time **1 min**

Mash step by step

- Heat up **8.6 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **77C**
- Sparge using **13.3 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.85 kg (100%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	60 min	6.5 %
Boil	Amarillo	20 g	15 min	8 %
Aroma (end of boil)	Amarillo	30 g	1 min	8 %
Aroma (end of boil)	Citra	18 g	1 min	12.2 %
Dry Hop	Amarillo	25 g	2 day(s)	8 %
Dry Hop	Citra	25 g	2 day(s)	12.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

Notes

- Brzeczka przednia = 10,2 BLG
Gotowanie dodatkowo w domu ok 10 min
chmilenie na aromat na końcu gotowania w domu

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

Straty = 0,8 l
Odparowanie =
BLG = 12,5
Do fermentacji = 11,5 litra

Fermentacja US-05 start 9.11.2021
piwnica (temp ok 18 stopni)

Chmienie na zimno:
6.01.2022
minimalne oznaki pleśni na powierzchni piwa

Butelkowanie:
8.01.2022
63 g cukru
Nov 10, 2021, 2:25 PM