

IPA

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **41**
- SRM **4.2**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **6 %**
- Size with trub loss **22.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **25.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **5 min** at **76C**
- Sparge using **13.9 liter(s)** of **76C** water or to achieve **25.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3.5 kg (58.3%)	81 %	4
Grain	Viking Pale Ale malt	2 kg (33.3%)	80 %	5
Grain	Pszeniczny	0.5 kg (8.3%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	15 g	20 min	12 %
Boil	Amarillo	15 g	20 min	9.5 %
Boil	Simcoe	15 g	20 min	13.2 %
Aroma (end of boil)	Citra	15 g	5 min	12 %
Aroma (end of boil)	Amarillo	15 g	5 min	9.5 %
Aroma (end of boil)	Simcoe	15 g	5 min	13.2 %
Aroma (end of boil)	Citra	15 g	0 min	12 %
Aroma (end of boil)	Amarillo	15 g	0 min	9.5 %
Aroma (end of boil)	Simcoe	15 g	0 min	13.2 %
Whirlpool	Citra	15 g	0 min	12 %
Whirlpool	Amarillo	15 g	0 min	9.5 %
Whirlpool	Simcoe	15 g	0 min	13.2 %
Dry Hop	Citra	25 g	3 day(s)	12 %

Dry Hop	Amarillo	25 g	3 day(s)	9.5 %
Dry Hop	Simcoe	25 g	3 day(s)	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	100 ml	Fermentis

Extras

Type	Name	Amount	Use for	Time
Fining	whirlfoc	3 g	Boil	5 min