

Come or Nick

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **28**
- SRM **6.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **10 %**
- Size with trub loss **18.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **22.3 liter(s)**

Mash information

- Mash efficiency **66 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **16.6 liter(s)**
- Total mash volume **21.4 liter(s)**

Steps

- Temp **64 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **16.6 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **50 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **10.5 liter(s)** of **76C** water or to achieve **22.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.5 kg (73.7%)	80 %	5
Grain	Monachijski	0.5 kg (10.5%)	80 %	16
Grain	Carahell	0.3 kg (6.3%)	77 %	26
Grain	Carared	0.3 kg (6.3%)	75 %	39
Grain	Platki owsiane	0.15 kg (3.2%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Ariana	15 g	50 min	12 %
Boil	Barbe Rouge	10 g	15 min	6.6 %
Aroma (end of boil)	Nelson Sauvign	25 g	1 min	11 %
Dry Hop	Ariana	35 g	4 day(s)	12.1 %
Dry Hop	Enigma (AUS)	50 g	4 day(s)	17.2 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Water Agent	Węglan Wapnia	7 g	Mash	60 min
Other	Wit.C	1.5 g	Secondary	10 day(s)
Other	Wit.C	1.5 g	Bottling	---